

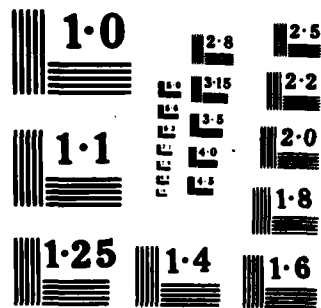
UNCLASSIFIED

WATERTOWN NEW YORK REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATION..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. OCT 84
USAFETAC/DS-84/035 F/G 4/2

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F/G 4/2

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DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

WATERTOWN NY MSC # 726227
N 44 00 W 076 01 ELEV: 325 FT ART

PARTS A - F HOURS SUMMARIZED: 0000Z - 2300Z

PERIOD OF RECORD:

HOURLY OBSERVATIONS: JAN 74 - DEC 83

SUMMARY OF DAY DATA: MAY 49 - DEC 54, SEP 62 - DEC 83

TIME CONVERSION GMT TO LST: -5

20 OCT 1984

DISTRIBUTION STATEMENT A

Approved for public release
Distribution Unlimited

FEDERAL BUILDING
ASHEVILLE, N. C.

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OCT 3 1985

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approved for publication.

Wayne E. McCollom

W. E. MCCOLLOM
Chief, Document Research Section
AFMRL/EDX

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE

REPORT DOCUMENTATION PAGE

| | | | |
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| 17. COSATI CODES | | 18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number) | |
| FIELD | GROUP | SUB-GROUP | *climatology *weather Meteorological conditions |
| 04 | 02 | | (continued over) |
| 19. ABSTRACT (Continue on reverse if necessary and identify by block number) -A six-part statistical data summary of surface weather observation climatology for: WATERTOWN NEW YORK. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (AD-A132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWOs) for complete descriptions of contents and instructions for use. | | | |
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| 22a. NAME OF RESPONSIBLE INDIVIDUAL Marie Wakefield | | 22b. TELEPHONE (Include Area Code) (618) 256-2625 | |
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DD FORM 1473, 84 MAR

83 APR edition may be used until exhausted.
All other editions are obsolete.

SECURITY CLASSIFICATION OF THIS PAGE

UNCLASSIFIED

UNCLASSIFIED

18. Subject terms cont.

| | | | |
|---------------------|--------------------|-------------------|------------|
| winds | precipitation | temperature | visibility |
| barometric pressure | | relative humidity | |
| sky cover | psychrometric data | ceiling | |

Revised Uniform Summary of Surface Weather Observations
RUSSWO

WATER TOWN NEW YORK

WATERTOWN APT

USNY 726227

UNCLASSIFIED

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

| | |
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| NTIS GPA&I | <input checked="" type="checkbox"/> |
| DTIC TAB | <input type="checkbox"/> |
| Unannounced | <input type="checkbox"/> |
| Justification | |
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| Availability Codes | |
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| A-1 | |



U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those reports or reports which contain observations recorded at specified hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reports for a 24-hour period, the listing of the day, station, locality, country, and other special, local, summary of the day, remarks, etc.

DESCRIPTION OF SUMMARIES

Each section is a brief description of the data which will be summarized in the summary. Listing of surface weather observations and the manner of presentation. Summaries are prepared for each day, and for each month, and for each year, and for each station, and for each foreign station with similar reporting facilities.

Wherever noted the following summaries are included for each station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX. MIN. & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

FEBRUARY _____

MARCH _____

APRIL _____

MAY _____

JUNE _____

JULY _____

AUGUST _____

SEPTEMBER _____

OCTOBER _____

NOVEMBER _____

DECEMBER _____

STATION LOCATION AND INSTRUMENTATION HISTORY

| AWS MSC NO. | NAME OF STATION | LATITUDE | LONGITUDE | FIELD ELEV (FT) | CALL SIGN | WMO NUMBER |
|-------------|------------------------|----------|-----------|-----------------|-----------|------------|
| 726227 | Watertown Int'l Apt NY | N 44 00 | W 076 01 | 325 | ART | 73500 |

[illegible]

| TAG NO. | DATE OF CHANGE | SURFACE EQUIPMENT INFORMATION | | | | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|---------|----------------|-------------------------------|---------------------|------------------|-----------------|---|
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND | |
| 1 | 30 Apr58 | Roof Adm Bldg | F430B | | 37 Ft | |
| 2 | 15Jun60 | On Field 1450' SE Adm Bldg | F420C | | 20 Ft | |
| 3 | Dec 73 | Same | Same | | Same | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
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U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

WEATHER CONDITIONS

MONTH

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| 1-1 | 0-1 | | 5.3 | .7 | 28.1 | | 13.3 | 10.0 | .1 | 4.0 | | 1.7 | 95 |
| | 1-1 | | 5.4 | .8 | 29.4 | | 14.1 | 9.7 | | 4.7 | | 1.4 | 95 |
| | 1-2 | | 5.3 | 1.0 | 26.7 | | 12.5 | 7.9 | .1 | 4.0 | | 1.4 | 93 |
| | 1-11 | | 5.3 | .9 | 29.2 | | 14.3 | 10.1 | .2 | 5.0 | | 2.1 | 95 |
| | 1-11 | | 4.9 | .1 | 28.0 | | 12.2 | 10.0 | 2.0 | 1.6 | | 24.7 | 93 |
| | 1-1 | | 4.3 | .9 | 27.0 | | 12.2 | 14.5 | 1.7 | 5.2 | .1 | 22.4 | 93 |
| | 1-1 | | 5.3 | 1.0 | 28.2 | | 14.3 | 9.6 | .6 | 5.5 | | 18.2 | 93 |
| | 1-2 | | 4.3 | .6 | 27.8 | | 12.3 | 6.0 | .4 | 4.1 | | 17.3 | 93 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 5.2 | .7 | 28.1 | | 13.3 | 10.4 | 1.1 | 5.2 | .0 | 17.3 | 744 |

WEATHER CONDITIONS

127 STATION 74-83 74-83 74-83 74-83
STATION STATION NAME YEARS MONTH

MONTHLY FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| 7-1 | 0-11 | | 3.2 | .4 | 19.5 | | 24.1 | 6.9 | .1 | 1.7 | | 7.1 | 145 |
| | 12-23 | | 4.7 | .4 | 21.7 | | 26.8 | 6.0 | .5 | 2.5 | | 11.1 | 145 |
| | 24-31 | | 1.3 | .7 | 23.3 | | 26.3 | 14.2 | 1.0 | 1.4 | | 17.1 | 145 |
| | 1-11 | | 4.1 | .1 | 19.0 | | 23.6 | 13.2 | 4.4 | 2.3 | | 24.3 | 141 |
| | 12-14 | | 4.6 | | 17.5 | | 21.9 | 12.9 | 5.0 | 2.3 | | 20.5 | 141 |
| | 15-17 | | 6.1 | .6 | 13.6 | | 19.5 | 10.5 | 5.1 | 2.3 | | 18.1 | 141 |
| | 18-21 | | 5.2 | .5 | 14.0 | | 20.2 | 7.8 | 3.5 | 2.0 | | 13.1 | 141 |
| | 22-31 | | 5.9 | .2 | 15.0 | | 21.5 | 6.3 | .0 | 3.5 | | 17.5 | 141 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 1.2 | .4 | 10.1 | | 23.3 | 1.6 | 2.7 | 2.0 | | 15.0 | 5761 |

LOCAL CLIMATOLOGY RANCH
 101 LTAC
 AIR WEATHER SERVICE (MAC)

WEATHER CONDITIONS

927 AIRTOWN NY 74-83 YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| MAY | 00-00 | | 6.9 | .8 | 12.4 | | 21.6 | 11.3 | .5 | .4 | | 12.3 | 925 |
| | 03-05 | .1 | 7.1 | .8 | 14.5 | | 21.6 | 11.2 | .5 | .4 | | 12.3 | 927 |
| | 06-08 | | 7.6 | 1.0 | 13.2 | | 21.5 | 19.2 | 2.0 | .3 | | 21.3 | 930 |
| | 09-11 | | 6.1 | .6 | 12.3 | | 20.3 | 16.4 | 3.7 | .6 | | 21.3 | 930 |
| | 12-14 | | 9.1 | .3 | 10.6 | | 19.6 | 15.9 | 3.2 | .4 | | 18.9 | 930 |
| | 15-17 | | 10.1 | .2 | 10.9 | | 20.4 | 15.4 | 3.6 | .6 | | 19.4 | 930 |
| | 18-20 | .2 | 11.4 | .6 | 11.3 | | 22.4 | 14.6 | 2.7 | .6 | | 17.0 | 930 |
| | 21-23 | .1 | 11.7 | .4 | 11.2 | | 22.4 | 10.3 | 1.1 | .5 | | 11.9 | 930 |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| TOTALS | | .1 | 9.3 | .6 | 12.1 | | 21.3 | 14.5 | 2.2 | .5 | | 16.9 | 7435 |

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

WEATHER CONDITIONS

0227 AIRTOWN NY 74-83 APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| APR | 00-02 | .7 | 12.9 | | 5.1 | | 17.8 | 4.7 | .3 | .3 | | 5.3 | 898 |
| | 03-05 | | 13.4 | .2 | 5.8 | | 18.8 | 7.5 | .6 | .3 | | 8.4 | 897 |
| | 06-08 | | 12.8 | | 5.0 | | 17.5 | 16.6 | 1.4 | .9 | | 18.7 | 897 |
| | 09-11 | .2 | 11.6 | | 4.6 | .1 | 16.1 | 13.9 | 2.4 | 1.3 | | 17.4 | 900 |
| | 12-14 | .1 | 11.6 | | 4.1 | | 15.7 | 12.7 | 2.8 | .3 | | 16.1 | 900 |
| | 15-17 | .2 | 10.7 | | 4.0 | | 14.3 | 10.9 | 2.7 | .4 | | 14.0 | 900 |
| | 18-20 | .7 | 11.4 | | 3.6 | | 14.6 | 8.7 | 1.9 | .4 | | 11.0 | 900 |
| | 21-23 | .3 | 11.1 | | 5.3 | | 15.9 | 5.9 | .3 | .8 | | 7.0 | 900 |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| TOTALS | | .3 | 11.9 | .2 | 4.7 | .1 | 16.3 | 10.1 | 1.0 | .7 | | 12.2 | 7192 |

CLIMATE CLIMATOLOGY BRANCH
 DTAC
 WEATHER SERVICE/MAC

WEATHER CONDITIONS

0027 WATERTOWN NY 74-83 MAY
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| MAY | 0-23 | .2 | 9.5 | | .5 | | 10.0 | 11.8 | 2.5 | | | 14.0 | 931 |
| | 00-01 | .5 | 10.7 | | .2 | | 11.9 | 20.0 | 3.5 | | | 22.5 | 860 |
| | 06-05 | .5 | 10.2 | | | | 10.2 | 21.5 | 7.1 | | | 26.6 | 927 |
| | 09-11 | .2 | 11.0 | | .1 | | 11.1 | 12.4 | 9.6 | | | 20.6 | 930 |
| | 12-14 | .1 | 10.4 | | .1 | | 10.5 | 8.5 | 10.5 | | | 18.5 | 930 |
| | 15-17 | .9 | 11.8 | | .1 | | 11.4 | 7.2 | 10.2 | | | 17.0 | 930 |
| | 18-20 | .2 | 10.3 | | | | 10.5 | 8.4 | 9.6 | | | 16.5 | 930 |
| | 21-23 | .6 | 8.4 | | .1 | | 8.5 | 9.9 | 6.4 | | | 15.1 | 869 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .4 | 10.3 | | .1 | | 10.4 | 12.5 | 7.4 | | | 18.9 | 7267 |

U.S. AIR FORCE
TAC
WEATHER SERVICE/MAC

WEATHER CONDITIONS

207 STEPTON, NY 74-83 JUN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREQ. OF RAIL | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JUN | 00-01 | .2 | 0.3 | | | | 0.3 | 11.0 | 7.9 | | | 17.0 | 903 |
| | 01-02 | .7 | 0.4 | | | | 0.4 | 19.8 | 10.0 | | | 26.1 | 936 |
| | 02-03 | .2 | 0.6 | | | | 0.6 | 21.4 | 16.2 | | | 32.7 | 900 |
| | 03-04 | .1 | 9.0 | | | | 9.0 | 12.4 | 20.3 | | | 31.4 | 900 |
| | 04-05 | .6 | 7.2 | | | | 7.2 | 7.4 | 23.1 | | | 28.9 | 900 |
| | 05-06 | .9 | 0.6 | | | | 0.6 | 7.5 | 22.1 | | | 28.7 | 899 |
| | 06-07 | 1.6 | 0.3 | | | | 0.3 | 8.1 | 16.2 | | | 25.1 | 900 |
| | 07-08 | .6 | 0.5 | | | | 0.5 | 11.1 | 10.7 | | | 20.0 | 840 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .0 | 8.1 | | | | 8.1 | 12.2 | 16.1 | | | 26.3 | 6985 |

LOCAL CLIMATOLOGY BRANCH
 WLTAC
 WEATHER SERVICE/MAC

WEATHER CONDITIONS

027 ATERTOWN, NY 74-83 JUL
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JUL | 01-02 | 1.0 | 3.8 | | | | 3.8 | 12.7 | 12.7 | | | 22.4 | 337 |
| | 03-05 | .8 | 5.5 | | | | 5.5 | 19.0 | 15.7 | | | 20.3 | 868 |
| | 06-08 | .3 | 4.1 | | | | 4.1 | 17.2 | 20.2 | | | 22.9 | 930 |
| | 09-11 | 1.0 | 4.5 | | | | 4.5 | 7.7 | 25.3 | | | 31.3 | 930 |
| | 12-14 | .3 | 4.0 | | | | 4.0 | 4.3 | 25.7 | | | 29.4 | 930 |
| | 15-17 | 1.2 | 6.3 | | | | 6.3 | 3.2 | 26.2 | | | 29.5 | 930 |
| | 18-20 | 1.2 | 5.6 | | | | 5.6 | 5.8 | 22.7 | | | 27.4 | 930 |
| | 21-23 | 1.3 | 5.6 | | | | 5.6 | 7.6 | 18.1 | | | 23.6 | 969 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .9 | 5.0 | | | | 5.0 | 9.7 | 20.8 | | | 26.0 | 7224 |

AL DIA 110000 1400
 1400TAC
 1400TAC SERVICE/4AC

WEATHER CONDITIONS

027 STORTOV, NY 74-83 207
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| 01 | 01-02 | 1.8 | 6.0 | | | | 6.0 | 15.4 | 12.0 | | | 25.1 | 930 |
| | 03-05 | 1.4 | 7.7 | | | | 7.7 | 22.3 | 12.0 | | | 24.0 | 930 |
| | 06-08 | .9 | 6.5 | | | | 6.5 | 26.4 | 19.6 | | | 39.0 | 930 |
| | 09-11 | 1.2 | 6.3 | | | | 6.3 | 12.0 | 22.3 | | | 30.5 | 930 |
| | 12-14 | .8 | 6.0 | | | | 6.0 | 5.3 | 23.6 | | | 28.0 | 730 |
| | 15-17 | .6 | 4.8 | | | | 4.0 | 5.3 | 22.4 | | | 26.7 | 930 |
| | 18-20 | 1.7 | 5.6 | | | | 5.0 | 6.2 | 21.0 | | | 24.4 | 930 |
| | 21-23 | 1.2 | 6.2 | | | | 6.2 | 10.9 | 15.1 | | | 22.0 | 930 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.2 | 6.2 | | | | 6.2 | 13.2 | 14.0 | | | 28.4 | 7440 |

LOCAL CLIMATOLOGY - MARCON
 MILITARY
 AT WEATHER SERVICE/MAC

WEATHER CONDITIONS

027 WATERLOO NY 74-83 SEP
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| SEP | 00-02 | .6 | 8.3 | | | | 8.3 | 14.0 | 4.3 | | | 17.6 | 894 |
| | 03-05 | .9 | 11.2 | | | | 10.2 | 16.9 | 3.5 | | | 19.1 | 894 |
| | 06-08 | .7 | 10.8 | | | .1 | 10.6 | 25.3 | 9.2 | | | 30.1 | 894 |
| | 09-11 | .6 | 9.4 | | | | 9.4 | 13.1 | 12.6 | | | 23.6 | 907 |
| | 12-14 | .4 | 11.0 | | | | 11.6 | 10.2 | 14.6 | | | 23.7 | 907 |
| | 15-17 | .6 | 11.4 | | | | 11.4 | 9.7 | 14.3 | | | 23.1 | 907 |
| | 18-20 | .7 | 9.0 | | | | 9.0 | 10.7 | 12.6 | | | 20.9 | 908 |
| | 21-23 | .6 | 8.6 | | | | 8.6 | 11.2 | 7.6 | | | 16.9 | 908 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .7 | 9.9 | | | .2 | 9.9 | 13.9 | 9.9 | | | 21.9 | 7166 |

1. ALL CLIMATE LOGS - HANDBOOK
2. ETAC
3. WEATHER SERVICE /MAC

WEATHER CONDITIONS

127
STATION

ATLANTA, GA

STATION NAME

74-83

YEARS

107
MONTH

PER CENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-----------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| 1-1 | 0-01 | .3 | 13.3 | | .6 | | 13.4 | 9.4 | .4 | | | 9.4 | 930 |
| | 02-03 | .1 | 13.3 | | .5 | | 13.2 | 11.1 | .5 | | | 11.4 | 930 |
| | 04-05 | .2 | 13.4 | | .3 | | 13.5 | 19.4 | 2.3 | | | 20.4 | 930 |
| | 06-11 | | 14.2 | | .4 | | 14.6 | 14.6 | 4.4 | | | 18.6 | 930 |
| | 12-14 | .1 | 13.1 | | .3 | | 13.4 | 10.4 | 5.9 | | | 15.4 | 930 |
| | 15-17 | .2 | 11.5 | | .4 | | 11.6 | 9.5 | 4.5 | | | 14.4 | 930 |
| | 18-20 | .5 | 11.6 | | 1.2 | | 12.6 | 9.7 | 3.6 | | | 12.4 | 930 |
| | 21-23 | .5 | 13.1 | | .6 | | 13.5 | 9.7 | .3 | | | 10.2 | 930 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .2 | 12.9 | | .5 | | 13.2 | 11.8 | 2.7 | | | 14.4 | 7440 |

AL CLIMATOLOGY - MARCH
 TAC
 STATE OF SERVICE/HAL

WEATHER CONDITIONS

227
 STATION

WERTOWN NY

STATION NAME

74-63

YEARS

NOV
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| NOV | 01-02 | .1 | 14.3 | .3 | 7.6 | .1 | 22.2 | 14.6 | | .1 | | 12.1 | 900 |
| | 03-04 | | 13.3 | .3 | 9.3 | | 23.0 | 14.1 | .2 | | | 14.1 | 900 |
| | 05-06 | | 13.0 | .2 | 6.8 | | 19.8 | 18.6 | 1.3 | .2 | | 19.9 | 900 |
| | 07-11 | | 12.3 | | 7.6 | | 19.7 | 20.0 | 4.1 | .7 | | 23.4 | 900 |
| | 12-14 | .1 | 13.7 | | 6.9 | | 20.1 | 14.9 | 4.2 | .6 | | 18.7 | 900 |
| | 15-17 | | 13.6 | .1 | 5.6 | | 16.9 | 15.1 | 5.3 | .7 | | 21.2 | 900 |
| | 18-20 | | 15.6 | .1 | 6.3 | | 21.6 | 12.3 | 2.2 | .3 | | 14.2 | 900 |
| | 21-23 | .1 | 15.9 | .1 | 7.6 | | 23.3 | 11.4 | .4 | .4 | | 12.1 | 900 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 14.0 | .1 | 7.3 | .0 | 21.1 | 14.9 | 2.2 | .4 | | 17.0 | 7200 |

NO. 10-5 (OL. A)
 10-5 (OL. A)
 10-5 (OL. A)

WEATHER CONDITIONS

007
 STATION

ALBANY, NY
 STATION NAME

74-82
 YEARS

DEC
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| | 01-01 | | 6.0 | 1.0 | 22.0 | | 29.0 | 6.0 | .0 | 1.0 | | 13.0 | 930 |
| | 01-02 | | 7.1 | .0 | 22.0 | | 29.1 | 6.0 | | 2.0 | | 15.1 | 930 |
| | 01-03 | | 6.5 | 1.3 | 21.0 | | 28.8 | 12.6 | .0 | 3.0 | | 15.9 | 930 |
| | 01-04 | | 6.0 | 1.0 | 23.0 | | 30.0 | 15.9 | 1.0 | 3.0 | | 20.0 | 930 |
| | 01-05 | | 6.3 | .4 | 22.0 | | 28.7 | 15.2 | 1.0 | 3.0 | | 19.7 | 930 |
| | 01-06 | | 7.7 | .4 | 20.2 | | 28.3 | 16.6 | 2.7 | 3.0 | | 21.5 | 930 |
| | 01-07 | | 6.7 | 1.1 | 22.2 | | 29.5 | 10.7 | .3 | 2.0 | | 13.0 | 928 |
| | 01-08 | | 8.8 | 1.4 | 19.4 | | 29.6 | 8.6 | .5 | 2.0 | | 10.9 | 927 |
| | 01-09 | | | | | | | | | | | | |
| | 01-10 | | | | | | | | | | | | |
| | 01-11 | | | | | | | | | | | | |
| | 01-12 | | | | | | | | | | | | |
| TOTALS | | | 6.0 | .7 | 21.0 | | 29.9 | 12.1 | .9 | 2.6 | | 15.3 | 7435 |

AL CLIMATELOGY - WARCH
 ATAC
 PATTER SERVICE/AC

WEATHER CONDITIONS

227
 STATION

WATER TOWN NY

STATION NAME

74-83

YEARS

ALL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN | ALL | | 5.2 | .7 | 28.1 | | 73.3 | 13.4 | 1.1 | 5.2 | .7 | 15.3 | 7447 |
| FEB | | | 5.2 | .4 | 16.1 | | 23.3 | 10.6 | 2.7 | 2.6 | | 15.3 | 6768 |
| MAR | | .1 | 9.3 | .6 | 12.1 | | 71.3 | 14.5 | 2.2 | .5 | | 18.7 | 7435 |
| APR | | .3 | 11.9 | .0 | 4.7 | .0 | 16.3 | 1.1 | 1.5 | .7 | | 12.2 | 7192 |
| MAY | | .4 | 18.3 | | .1 | | 10.4 | 12.5 | 7.4 | | | 13.5 | 7207 |
| JUN | | .5 | 8.1 | | | | 6.1 | 12.2 | 15.1 | | | 26.3 | 6865 |
| JUL | | .7 | 5.3 | | | | 5.5 | 9.7 | 20.6 | | | 26.3 | 7224 |
| AUG | | 1.2 | 6.2 | | | | 6.2 | 13.2 | 15.6 | | | 24.4 | 7447 |
| SEP | | .7 | 9.9 | | | .0 | 9.9 | 13.9 | 9.9 | | | 21.7 | 7186 |
| OCT | | .2 | 12.9 | | .5 | | 13.2 | 11.6 | 2.7 | | | 14.2 | 7447 |
| NOV | | .1 | 14.0 | .1 | 7.3 | .0 | 21.1 | 14.9 | 2.2 | .4 | | 17.2 | 7200 |
| DEC | | | 8.0 | .9 | 21.6 | | 29.9 | 12.1 | .9 | 2.6 | | 15.3 | 7435 |
| TOTALS | | .4 | 8.8 | .2 | 7.7 | .0 | 16.5 | 12.2 | 7.2 | 1.0 | .0 | 19.3 | 76957 |

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $5/8$ mile.

WEATHER CONDITIONS

XXXXXXXXXXXXXXXXXXXX

WFO - F - 111 - 10111

STATION 11111111 STATION NAME 44-14. 01-01 YEARS 1111 MONTH 1111

UNITED STATES AIR FORCE
 MONTHLY SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

| MONTH | HOURS | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|-------|----------------|---------------------|----------------------------|-------------------|------|-----------------------|------|-------------------|--------------|------------------|------------------------------|------------------|
| 11 | 1111 | 1 | 24.0 | 7.0 | 60.4 | | 7.0 | 35.1 | 12.0 | 14.0 | | 41.1 | 7.0 |
| | | 1 | 11.7 | 4.0 | 51.7 | | 71.0 | 54.7 | 12.0 | 11.7 | | 47.0 | 71.0 |
| | | 1 | 2.0 | 2.0 | 45.1 | .1 | 4.2 | 4.2 | 11.4 | 3.0 | | 44.0 | 7.0 |
| | | 1 | 5.0 | 5.0 | 15.7 | .3 | 5.4 | 33.2 | 4.9 | 1.0 | | 36.7 | 77.1 |
| | | 1 | 7.4 | 1.0 | 1.7 | .3 | 51.1 | 30.0 | 12.7 | | | 41.0 | 77.0 |
| | | 1 | 14.0 | 47.1 | | | 45.1 | 34.9 | 30.0 | | | 51.0 | 75.0 |
| | | 1 | 14.0 | 41.0 | | | 41.0 | 34.1 | 43.0 | | | 51.0 | 71.0 |
| | | 1 | 12.0 | 40.0 | | .0 | 40.0 | 39.0 | 30.7 | | | 53.0 | 73.0 |
| | | 1 | 11.4 | 47.4 | | .7 | 47.4 | 35.1 | 20.4 | | | 47.0 | 6.0 |
| | | 1 | 1.0 | 5.0 | 4.7 | .0 | 52.0 | 33.0 | 14.4 | | | 50.0 | 6.0 |
| | | 1 | 5.0 | 2.0 | 32.4 | .4 | 72.3 | 4.0 | 11.0 | 1.0 | | 45.4 | 11.0 |
| | | 1 | 34.0 | 2.0 | 65.0 | .2 | 12.0 | 30.0 | 0.0 | 1.0 | | 47.0 | 6.0 |
| TOTALS | | 7 | 11.9 | 2.1 | 24.0 | .3 | 52.0 | 30.5 | 20.4 | 3.0 | | 41.0 | 74.7 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

| | | |
|-----------------------------|-------|--|
| EXTREME DAILY PRECIPITATION | ".00" | equals none for the month (hundredths) |
| EXTREME DAILY SNOWFALL | ".0" | equals none for the month (tenths) |
| EXTREME DAILY SNOW DEPTH | "0" | equals none for the month (whole inches) |

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945 at 0800LST
Jan 46-May 57 at 1230GMT
Jun 57-present at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52 at 0030GMT
Jul 52-May 57 at 1230GMT
Jun 57-present at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

726227
STATION

WATERTOWN NY

STATION NAME

49-54, 62-83

YEARS

| PRECIP | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASUR- ABLE AMTS | TOTAL NO. OF OBS. | MONTHLY AMOUNTS (INCHES) | | |
|----------------|------------------|-------|--------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|---|----------------------------|-----------------------------|----------|-------|
| | NONE | TRACE | 01 | 02-05 | 06-10 | 11-25 | 26-50 | 51-100 | 101-250 | 251-500 | 501-1000 | 1001-2000 | OVER 2000 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 01-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-15.4 | 15.5-25.4 | 25.5-50.4 | OVER 50.4 | | | | | |
| SNOW- DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | | |
| JAN | 21.2 | 29.9 | 4.7 | 15.0 | 10.2 | 11.2 | 5.3 | 2.1 | .4 | | | | | 48.9 | 806 | 2.14 | 4.82 | .51 |
| FEB | 25.9 | 32.2 | 4.1 | 12.5 | 7.2 | 7.8 | 4.4 | 2.3 | .7 | | | | | 39.0 | 734 | 1.80 | 5.48 | .25 |
| MAR | 36.0 | 24.1 | 3.2 | 13.3 | 6.0 | 8.3 | 6.7 | 1.7 | .7 | | | | | 40.0 | 806 | 2.10 | 3.60 | .15 |
| APR | 44.9 | 18.2 | 2.9 | 9.7 | 6.0 | 9.2 | 5.4 | 3.2 | .4 | | | | | 36.9 | 780 | 2.11 | 4.39 | .77 |
| MAY | 50.8 | 15.9 | .9 | 9.2 | 4.7 | 8.8 | 5.9 | 2.5 | 1.2 | | | | | 33.3 | 803 | 2.37 | 5.54 | .70 |
| JUN | 52.4 | 16.3 | 2.3 | 8.3 | 3.8 | 6.4 | 5.8 | 3.3 | 1.3 | | | | | 31.3 | 780 | 2.31 | 6.22 | .33 |
| JUL | 60.0 | 15.0 | 1.9 | 5.7 | 4.1 | 5.3 | 4.0 | 3.1 | .9 | | | | | 24.9 | 806 | 1.92 | 3.71 | .30 |
| AUG | 56.9 | 13.9 | 3.3 | 5.5 | 2.5 | 6.2 | 5.7 | 3.1 | 2.7 | .1 | | | | 29.3 | 837 | 3.09 | 7.70 | .90 |
| SEP | 54.4 | 14.4 | 2.4 | 5.2 | 3.2 | 7.3 | 5.7 | 4.8 | 2.5 | .1 | | | | 31.2 | 840 | 3.34 | 7.42 | .85 |
| OCT | 50.2 | 15.4 | 2.4 | 7.3 | 6.1 | 9.0 | 5.4 | 3.1 | 1.0 | | | | | 34.3 | 868 | 2.39 | 4.73 | .19 |
| NOV | 29.4 | 24.0 | 4.8 | 10.7 | 7.4 | 11.7 | 7.0 | 3.9 | .8 | .2 | | | | 46.5 | 840 | 3.06 | 7.17 | 1.08 |
| DEC | 17.8 | 29.8 | 5.5 | 12.8 | 10.0 | 13.4 | 5.8 | 4.0 | .9 | | | | | 52.5 | 867 | 2.85 | 6.50 | .32 |
| ANNUAL | 41.9 | 20.8 | 3.2 | 9.6 | 5.9 | 8.7 | 5.6 | 3.1 | 1.1 | .0 | | | | 37.3 | 9767 | 29.48 | | |

USAFETAC FORM 0-15-5 (OL A)
OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

726227 WATER TOWN NY STATION NAME

49-54, 62-83 YEARS

24 HOUR AMOUNTS IN INCHES

| MONTH YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---------------|------|------|------|------|------|------|------|-------|-------|------|-------|------|---------------|
| 40 | | | | * | .34 | .30 | .61 | 1.09 | .66 | .42 | .45 | .65 | |
| 51 | .29 | 1.65 | 1.64 | .70 | .36 | .62 | 1.22 | .87 | 1.30 | 1.08 | 2.90 | .89 | 2.90 |
| 52 | .43 | .65 | .45 | .60 | .46 | 1.01 | .84 | 1.40 | .47 | .56 | 1.25* | .91 | 1.40 |
| 53 | .27 | .71 | .48 | .72 | 1.58 | .34 | 1.12 | .31 | 1.10 | 1.16 | .30 | 1.40 | 1.58 |
| 54 | .40 | .37 | .83 | .33 | 1.12 | .13 | .25 | .83 | 2.06 | .63 | .58 | .59 | 2.06 |
| 55 | .55 | 2.12 | .66 | .98 | 1.70 | 1.13 | .28 | 1.27 | 1.09 | .72 | .75 | .73 | 2.12 |
| 60 | | | | | | | | 1.05 | 1.14 | .45 | .86 | | |
| 63 | 1.14 | .20 | 1.11 | .82 | .65 | .24 | .19 | 1.76 | .53 | .11 | 2.97 | .78 | 2.97 |
| 64 | .77 | .39 | 1.02 | .48 | 1.10 | .38 | .59 | 1.72 | .29 | .31 | .54 | .59 | 1.72 |
| 65 | .60 | .70 | .38 | .66 | .19 | .80 | .90 | .90 | .50 | .84 | .75 | .29 | .90 |
| 66 | 1.50 | 1.00 | .74 | .19 | .48 | .43 | .28 | 1.10 | 1.15 | .28 | .45 | .56 | 1.50 |
| 67 | .42 | .28 | .03 | .58 | 1.23 | .63 | .66 | 1.10 | 1.28 | 1.24 | 1.22 | .55 | 1.24 |
| 68 | .24 | .14 | .63 | .31 | .78 | .61 | .24 | .60 | 1.13 | .44 | .86 | 1.84 | 1.84 |
| 69 | .54 | .17 | .38 | .53 | .74 | .87 | .31 | .72 | .80 | .43 | .50 | .61 | .87 |
| 70 | .77 | 1.04 | .81 | 1.00 | .90 | 1.67 | .75 | .52 | .67 | .67 | .93 | 1.34 | 1.67 |
| 71 | .66 | 1.32 | 1.85 | .38 | .82 | .60 | .97 | 2.15 | .85 | .41 | .58 | .58 | 2.15 |
| 72 | .50 | 1.15 | .46 | .20 | .32 | 1.02 | 1.03 | 1.05 | .92 | 1.38 | 2.03 | .46 | 2.03 |
| 73 | .17 | .43 | .18 | 1.01 | .47 | .18 | .25 | .37 | 1.87 | .52 | .92 | 1.18 | 1.87 |
| 74 | .15 | .36 | .43 | .27 | .21 | .22 | .84 | .57 | .86 | .47 | .84 | 1.00 | 1.00 |
| 75 | .61 | .68 | .70 | 1.27 | .42 | 1.15 | 1.12 | 1.18 | 2.31 | .47 | .57 | 1.17 | 2.31 |
| 76 | .45 | .39 | 1.02 | .74 | 1.64 | 1.12 | .84 | 1.60 | 1.20 | 1.26 | .39 | 1.06 | 1.64 |
| 77 | .92 | .33 | 1.29 | .88 | .71 | .49 | .45 | 2.28 | 1.60 | .90 | 1.39 | .78 | 2.28 |
| 78 | .94 | .12 | .92 | .55 | .56 | .71 | .47 | 1.10 | 2.43 | .93 | .37 | .60 | 2.43 |
| 79 | .74 | .40 | .20 | .44 | 1.13 | .78 | 1.84 | 1.32 | 2.53 | .86 | 1.85 | .09 | 2.53 |
| 80 | .40 | .27 | .35 | .96 | .62 | .69 | .96 | 1.27 | 1.27 | 1.73 | .88 | .49 | 1.73 |
| 81 | .14 | .72 | .39 | 1.05 | 1.20 | 1.42 | 1.81 | 4.09 | 1.71 | 1.09 | .48 | .38 | 4.09 |
| 92 | 1.03 | .53 | .27 | .34 | .95 | 1.80 | 1.03 | 1.85 | 1.02 | 1.08 | 1.42 | .39 | 1.85 |
| 93 | .26 | .40 | .45 | .96 | | | | .97 | 1.22 | .63 | .52 | 1.62 | |
| MEAN | .573 | .635 | .680 | .652 | .814 | .744 | .763 | 1.259 | 1.203 | .777 | .969 | .796 | 1.970 |
| S. D. | .334 | .489 | .442 | .300 | .435 | .447 | .448 | .758 | .595 | .389 | .708 | .416 | .714 |
| TOTAL OBS | 806 | 734 | 806 | 780 | 803 | 780 | 806 | 837 | 840 | 868 | 840 | 867 | 9767 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT- WEATHER SERVICE/MAC

EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

726227 WATER TOWN NY STATION NAME 49-54, 62-83 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

| MONTH YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---------------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|---------------|
| 49 | | | | | * 1.14 | .57 | 1.07 | 3.45 | 2.54 | 1.43 | 2.45 | 2.21 | |
| 50 | 1.70 | 2.76 | 3.27 | 1.34 | 1.33 | 1.47 | 3.48 | 2.35 | 2.97 | 2.67 | 4.52 | 3.02 | 30.88 |
| 51 | 2.21 | 2.66 | 2.64 | 2.98 | 1.09 | 4.06 | 2.28 | 3.58 | 1.84 | 1.27 | 3.43* | 4.16 | *32.20 |
| 52 | 1.68 | 2.10 | 1.18 | 1.47 | 3.74 | .90 | 3.38 | 1.10 | 4.24 | 3.18 | 1.27 | 2.90 | 27.14 |
| 53 | 1.90 | 1.28 | 2.17 | 1.29 | 5.42 | .53 | .79 | 2.01 | 4.97 | .87 | 1.40 | 3.13 | 25.76 |
| 54 | 2.53 | 4.75 | 2.34 | 2.63 | 2.41 | 3.74 | .89 | 3.16 | 2.85 | 2.93 | 3.13 | 4.12 | 35.48 |
| 62 | | | | | | | | | 3.22 | 2.21 | 1.08 | 2.55 | |
| 63 | 4.50 | .65 | 2.44 | 2.12 | 1.58 | .65 | .30 | 4.71 | 1.25 | .19 | 7.17 | 3.40 | 28.96 |
| 64 | 1.70 | .74 | 3.49 | 2.26 | 2.82 | .55 | 1.82 | 3.58 | .85 | 1.73 | 1.73 | 2.26 | 23.53 |
| 65 | 2.24 | 2.35 | 1.63 | 1.77 | .70 | 1.71 | 1.80 | 3.47 | 2.19 | 3.17 | 2.69 | 1.66 | 25.38 |
| 66 | 3.15 | 2.06 | 2.19 | .77 | .99 | 1.91 | .62 | 3.72 | 3.14 | .54 | 1.78 | 2.65 | 23.52 |
| 67 | 1.37 | .61 | .15 | 2.28 | 3.21 | 1.45 | 1.41 | 2.62 | 2.97 | 3.34 | 4.17 | 1.87 | 25.45 |
| 68 | 1.31 | .78 | 2.40 | .84 | 2.92 | 2.96 | .74 | 1.83 | 2.43 | 1.95 | 5.26 | 4.53 | 27.95 |
| 69 | 2.41 | .61 | 1.30 | 2.27 | 2.46 | 2.68 | .50 | 1.12 | 1.12 | 1.51 | 2.33 | 2.53 | 20.84 |
| 70 | 2.11 | 2.27 | 2.08 | 1.91 | 2.08 | 3.59 | 2.48 | .90 | 2.01 | 2.82 | 3.91 | 3.22 | 29.38 |
| 71 | 1.38 | 5.48 | 3.24 | .97 | 2.43 | 1.87 | 3.24 | 3.32 | 2.52 | 1.20 | 2.24 | 2.33 | 30.22 |
| 72 | 1.51 | 2.82 | 1.39 | 1.01 | 1.08 | 3.16 | 3.61 | 2.45 | 1.96 | 3.03 | 3.29 | 2.69 | 28.00 |
| 73 | .67 | 1.26 | .36 | 4.39 | 2.78 | .33 | .46 | .92 | 3.43 | 1.67 | 2.97 | 3.95 | 23.19 |
| 74 | 1.51 | .71 | 1.70 | .83 | .90 | .62 | 1.46 | 2.03 | 2.67 | 1.25 | 3.29 | 2.97 | 19.94 |
| 75 | 2.16 | 2.37 | 3.31 | 1.90 | 1.45 | 4.14 | 3.18 | 2.19 | 7.42 | 2.55 | 2.00 | 3.54 | 36.21 |
| 76 | 2.14 | 1.45 | 3.60 | 2.28 | 5.54 | 5.21 | 3.39 | 3.26 | 4.51 | 3.89 | 1.21 | 1.82 | 38.30 |
| 77 | 2.17 | .55 | 3.41 | 2.96 | 1.65 | 1.67 | 1.44 | 5.46 | 5.19 | 3.12 | 6.11 | 4.67 | 38.40 |
| 78 | 4.62 | .25 | 2.33 | 2.11 | 1.54 | 2.46 | 1.30 | 3.87 | 4.25 | 3.06 | 1.45 | 2.95 | 30.19 |
| 79 | 4.82 | .86 | .82 | 2.32 | 3.85 | 1.95 | 2.04 | 5.24 | 4.15 | 3.19 | 4.35 | .32 | 33.91 |
| 80 | 1.09 | 1.01 | 2.69 | 3.99 | .88 | 2.39 | 3.71 | 1.89 | 5.39 | 4.73 | 3.69 | 2.17 | 33.63 |
| 81 | .51 | 2.85 | .78 | 3.12 | 2.87 | 3.36 | 3.27 | 7.70 | 6.88 | 4.06 | 1.30 | 1.39 | 38.09 |
| 82 | 3.21 | 2.18 | 1.69 | 1.35 | 3.52 | 6.22 | 1.36 | 4.46 | 3.47 | 2.41 | 4.46 | 1.57 | 35.90 |
| 83 | 1.04 | 1.30 | 2.11 | 3.72 | | | | 2.93 | 3.09 | 2.97 | 3.08 | 6.50 | |
| MEAN | 2.140 | 1.797 | 2.104 | 2.111 | 2.370 | 2.313 | 1.924 | 3.086 | 3.340 | 2.391 | 3.063 | 2.849 | 29.594 |
| S.D. | 1.127 | 1.282 | .975 | .985 | 1.332 | 1.546 | 1.144 | 1.551 | 1.600 | 1.106 | 1.547 | 1.220 | 5.622 |
| TOTAL OBS | 806 | 734 | 806 | 780 | 803 | 780 | 806 | 837 | 840 | 868 | 840 | 867 | 9767 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

720227
STATION

WATERTOWN NY

STATION NAME

49-54, 62-83

YEARS

| PRECIP | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASUR- ABLE AMTS | TOTAL NO OF OBS. | MONTHLY AMOUNTS (INCHES) | | |
|----------------|------------------|-------|---------|---------|---------|---------|---------|----------|-----------|-----------|------------|-------------|------------|---|---------------------------|-----------------------------|----------|-------|
| | NONE | TRACE | .01 | .02-.05 | .06-.10 | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-15.4 | 15.5-25.4 | 25.5-50.4 | OVER 50.4 | | | | | |
| SNOW- DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | | |
| JAN | 30.9 | 33.7 | 8.3 | 13.2 | 5.5 | 2.5 | 1.9 | 1.4 | 2.0 | .1 | .6 | | | 35.4 | 806 | 23.6 | 91.1 | 3.3 |
| FEB | 37.7 | 36.1 | 6.7 | 9.5 | 4.4 | 1.6 | 1.4 | 1.2 | 1.0 | .3 | .1 | | | 26.2 | 734 | 13.7 | 44.4 | 2.6 |
| MAR | 54.0 | 27.3 | 6.7 | 6.9 | 1.9 | 1.5 | 1.1 | .9 | .1 | .2 | .1 | | | 18.7 | 806 | 9.4 | 33.4 | TRACE |
| APR | 34.0 | 11.4 | 1.4 | 1.8 | 1.0 | .3 | | .1 | | | | | | 4.6 | 780 | 1.6 | 8.5 | .0 |
| MAY | 98.4 | 1.4 | | .2 | | | | | | | | | | .2 | 803 | .1 | 1.1 | .0 |
| JUN | 100.0 | | | | | | | | | | | | | | 780 | .0 | .0 | .0 |
| JUL | 100.0 | | | | | | | | | | | | | | 806 | .0 | .0 | .0 |
| AUG | 100.0 | | | | | | | | | | | | | | 837 | .0 | .0 | .0 |
| SEP | 100.0 | | | | | | | | | | | | | | 840 | .0 | .0 | .0 |
| OCT | 95.3 | 4.3 | .1 | .1 | .1 | | .1 | | | | | | | .5 | 868 | .3 | 4.2 | .0 |
| NOV | 66.7 | 22.0 | 2.9 | 4.4 | 1.7 | 1.2 | .4 | .2 | .5 | .1 | | | | 11.3 | 840 | 5.8 | 25.9 | TRACE |
| DEC | 32.8 | 35.4 | 5.5 | 12.0 | 5.3 | 3.3 | 2.2 | 1.7 | .9 | .5 | .3 | | | 31.8 | 867 | 21.5 | 75.7 | 2.5 |
| ANNUAL | 75.0 | 14.3 | 2.6 | 4.0 | 1.7 | .9 | .6 | .5 | .4 | .1 | .1 | | | 10.7 | 9767 | 76.0 | | |

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

720227
STATION

WATERTOWN NY
STATION NAME

49-54-62-83
YEARS

24 HOUR AMOUNTS IN INCHES

| MONTH YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|---------------|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|---------------|
| 40 | | | | * | .0 | .0 | .0 | .0 | .0 | .0 | 2.2 | 3.2 | |
| 51 | 3.2 | 3.9 | 6.5 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 6.2 | 6.5 |
| 52 | 4.1 | 6.6 | 2.3 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 3.0* | 7.4 | 7.4 |
| 53 | 2.5 | 7.3 | .4 | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | 2.5 | 1.6 | 7.3 |
| 54 | 4.2 | 3.7 | .2 | .1 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.0 | 3.4 | 4.2 |
| 55 | 5.0 | 7.3 | 4.7 | 1.2 | .0 | .0 | .0 | .0 | .0 | TRACE | 3.0 | 4.0 | 7.3 |
| 56 | | | | | | | | | | TRACE | 3.0 | 23.0 | |
| 57 | 10.0 | 5.0 | 3.0 | TRACE | 1.1 | .0 | .0 | .0 | .0 | .0 | 2.0 | 6.0 | 10.0 |
| 58 | 2.0 | 2.0 | 6.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 3.0 | 6.0 |
| 59 | 3.5 | 6.0 | 3.8 | 1.0 | .0 | .0 | .0 | .0 | .0 | TRACE | 4.0 | 5.0 | 6.0 |
| 60 | 21.0 | 1.5 | 6.0 | 1.0 | TRACE | .0 | .0 | .0 | .0 | TRACE | TRACE | 10.0 | 21.0 |
| 61 | 9.5 | 5.0 | .5 | .2 | TRACE | .0 | .0 | .0 | .0 | .0 | 10.0 | 11.0 | 11.0 |
| 62 | 1.0 | 4.0 | 6.0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 8.4 | 2.0 | 8.4 |
| 63 | 5.0 | 2.0 | 1.8 | 3.0 | .0 | .0 | .0 | .0 | .0 | 4.2 | 2.0 | 3.0 | 5.0 |
| 64 | 18.0 | 3.0 | 2.9 | 2.2 | TRACE | .0 | .0 | .0 | .0 | TRACE | 3.0 | 13.4 | 18.0 |
| 65 | 9.0 | 13.2 | 21.0 | .4 | .0 | .0 | .0 | .0 | .0 | .0 | 11.3 | 3.8 | 21.0 |
| 66 | 4.0 | 19.0 | 5.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 4.0 | 8.0 | 19.0 |
| 67 | 4.0 | 8.0 | 2.1 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | 6.0 | 8.0 |
| 68 | 5.0 | 3.6 | 6.0 | .4 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.6 | 5.2 | 6.0 |
| 69 | 10.0 | 3.5 | 4.0 | 5.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.4 | 5.2 | 10.0 |
| 70 | 5.0 | 3.5 | 11.0 | TRACE | TRACE | .0 | .0 | .0 | .0 | .1 | 10.0 | 4.0 | 11.0 |
| 71 | 17.0 | 1.3 | 12.0 | 1.5 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.4 | 16.2 | 17.0 |
| 72 | 8.0 | 3.5 | 3.7 | TRACE | TRACE | .0 | .0 | .0 | .0 | TRACE | 2.4 | 11.8 | 11.8 |
| 73 | 9.0 | 2.0 | TRACE | 2.5 | .0 | .0 | .0 | .0 | .0 | TRACE | 3.0 | 1.0 | 9.0 |
| 74 | 3.0 | 5.0 | 4.0 | .2 | .0 | .0 | .0 | .0 | .0 | TRACE | 3.0 | 4.2 | 5.0 |
| 75 | 4.0 | 15.0 | 1.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 1.3 | 3.0 | 15.0 |
| 76 | 9.0 | 5.0 | 2.5 | 2.4 | .0 | .0 | .0 | .0 | .0 | .0 | 1.8 | 2.0 | 9.0 |
| 77 | 1.0 | 5.0 | 1.3 | 2.4 | | | | .0 | .0 | TRACE | 3.0 | 18.0 | |
| MEAN | 6.81 | 5.57 | 4.53 | 1.07 | .08 | .00 | .00 | .00 | .00 | .23 | 3.30 | 6.79 | 10.52 |
| S D | 5.186 | 4.230 | 4.501 | 1.253 | .291 | .000 | .000 | .000 | .000 | .866 | 2.991 | 5.506 | 5.220 |
| TOTAL OBS | 876 | 734 | 806 | 780 | 803 | 780 | 806 | 837 | 840 | 868 | 840 | 867 | 9767 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

750227
STATION

WATERTOWN NY

STATION NAME

49-54, 62-83

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

| MONTH YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|---------------|--------|-------|-------|-------|-------|------|------|------|------|-------|-------|--------|---------------|
| 49 | | | | * | .0 | .0 | .0 | .0 | .0 | .0 | 5.7 | 11.2 | |
| 50 | 10.7 | 12.9 | 13.1 | .4 | .0 | .0 | .0 | .0 | .0 | .0 | 8.5 | 31.3 | 76.9 |
| 51 | 11.9 | 11.1 | 4.5 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 9.3* | 28.3 | * 65.1 |
| 52 | 7.7 | 17.1 | 1.3 | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | 4.7 | 8.4 | 39.2 |
| 53 | 13.2 | 9.2 | .3 | .1 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.0 | 8.1 | 31.9 |
| 54 | 19.0 | 18.7 | 10.6 | 1.6 | .0 | .0 | .0 | .0 | .0 | TRACE | 4.0 | 16.7 | 70.6 |
| 55 | | | | | | | | | .0 | TRACE | 3.3 | 43.8 | |
| 56 | 52.7 | 14.5 | 10.7 | TRACE | 1.1 | .0 | .0 | .0 | .0 | .0 | 2.0 | 30.6 | 111.6 |
| 57 | 6.8 | 5.2 | 10.3 | 1.0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 10.7 | 34.0 |
| 58 | 20.2 | 13.6 | 11.5 | 1.0 | .0 | .0 | .0 | .0 | .0 | TRACE | 8.6 | 7.1 | 62.0 |
| 59 | 49.2 | 2.6 | 10.4 | 1.0 | TRACE | .0 | .0 | .0 | .0 | TRACE | TRACE | 27.3 | 90.5 |
| 60 | 21.9 | 12.7 | 1.0 | .2 | TRACE | .0 | .0 | .0 | .0 | .0 | 15.1 | 14.1 | 65.0 |
| 61 | 7.0 | 9.5 | 9.6 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 15.7 | 8.7 | 50.5 |
| 62 | 13.6 | 8.8 | 3.9 | 4.0 | .0 | .0 | .0 | .0 | .0 | 4.2 | 5.9 | 17.1 | 57.5 |
| 63 | 35.9 | 11.8 | 6.2 | 2.2 | TRACE | .0 | .0 | .0 | .0 | TRACE | 3.5 | 38.2 | 97.8 |
| 64 | 22.7 | 44.4 | 33.4 | .4 | .0 | .0 | .0 | .0 | .0 | .0 | 13.9 | 6.3 | 121.1 |
| 65 | 15.0 | 29.0 | 10.6 | 2.7 | .0 | .0 | .0 | .0 | .0 | 3.0 | 6.8 | 28.9 | 96.0 |
| 66 | 14.1 | 14.1 | 3.1 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | 25.2 | 57.6 |
| 67 | 18.8 | 5.8 | 15.1 | .4 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.9 | 14.1 | 57.1 |
| 68 | 17.2 | 19.3 | 10.0 | 8.5 | .0 | .0 | .0 | .0 | .0 | .0 | 1.4 | 13.7 | 70.1 |
| 69 | 23.1 | 5.2 | 17.2 | TRACE | TRACE | .0 | .0 | .0 | .0 | .1 | 25.5 | 17.0 | 88.1 |
| 70 | 91.1 | 4.0 | 22.3 | 2.5 | 1.0 | .0 | .0 | .0 | .0 | .0 | 3.6 | 63.1 | 187.6 |
| 71 | 41.1 | 6.6 | 9.5 | TRACE | TRACE | .0 | .0 | .0 | .0 | TRACE | 2.4 | 21.6 | 81.2 |
| 72 | 39.8 | 8.5 | TRACE | 5.1 | .0 | .0 | .0 | .0 | .0 | TRACE | 3.0 | 2.5 | 58.9 |
| 73 | 11.0 | 18.5 | 14.3 | .2 | .0 | .0 | .0 | .0 | .0 | TRACE | 6.2 | 20.5 | 70.7 |
| 74 | 11.4 | 24.3 | 5.2 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 1.3 | 12.9 | 55.1 |
| 75 | 35.0 | 21.4 | 8.4 | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.2 | 5.0 | 75.0 |
| 76 | 3.3 | 6.2 | 2.1 | 6.6 | | | | .0 | .0 | TRACE | 6.8 | 75.7 | |
| MEAN | 23.59 | 13.65 | 9.41 | 1.61 | .08 | .00 | .00 | .00 | .00 | .26 | 5.84 | 21.47 | 75.25 |
| S D | 19.199 | 9.103 | 7.398 | 2.234 | .291 | .000 | .000 | .000 | .000 | .957 | 5.793 | 17.368 | 32.898 |
| TOTAL OBS | 806 | 734 | 806 | 780 | 803 | 780 | 806 | 837 | 840 | 868 | 840 | 867 | 9767 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

720227
STATION

WATERTOWN NY

STATION NAME

52-54, 62-83

YEARS

| | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASUR- ABLE AMTS | TOTAL NO. OF OBS. | MONTHLY AMOUNTS (INCHES) | | |
|---------------|------------------|-------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|---|----------------------------|-----------------------------|----------|-------|
| PRECIP | NONE | TRACE | 01 | 02-05 | 06-10 | 11-25 | 26-50 | 51-100 | 101-250 | 251-500 | 501-1000 | 1001-2000 | OVER 2000 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-15.4 | 15.5-25.4 | 25.5-50.4 | OVER 50.4 | | | | | |
| SNOW DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | | |
| JAN | 16.5 | 1.5 | 6.3 | 7.2 | 6.3 | 17.5 | 23.7 | 15.0 | 4.5 | .3 | 1.0 | .1 | | 81.9 | 713 | | | |
| FEB | 17.7 | 2.5 | 8.9 | 8.9 | 5.7 | 17.1 | 16.0 | 13.9 | 3.2 | .2 | 5.7 | .2 | | 79.8 | 649 | | | |
| MAR | 51.5 | 3.2 | 8.6 | 4.1 | 7.9 | 12.9 | 5.8 | 2.9 | .8 | 1.7 | .7 | | | 45.3 | 713 | | | |
| APR | 92.0 | 1.2 | 3.6 | 1.4 | .9 | .9 | | | | | | | | 6.8 | 690 | | | |
| MAY | 100.0 | | | | | | | | | | | | | | 682 | | | |
| JUN | 100.0 | | | | | | | | | | | | | | 660 | | | |
| JUL | 100.0 | | | | | | | | | | | | | | 713 | | | |
| AUG | 100.0 | | | | | | | | | | | | | | 744 | | | |
| SEP | 100.0 | | | | | | | | | | | | | | 750 | | | |
| OCT | 99.6 | | | .4 | | | | | | | | | | .4 | 775 | | | |
| NOV | 86.4 | 1.3 | 5.1 | 3.5 | 1.6 | 1.1 | 1.1 | | | | | | | 12.3 | 750 | | | |
| DEC | 34.6 | 2.7 | 13.0 | 9.5 | 6.6 | 15.1 | 9.5 | 6.7 | 1.7 | .5 | | | | 62.7 | 775 | | | |
| ANNUAL | 74.9 | 1.0 | 3.8 | 2.9 | 2.4 | 5.4 | 4.7 | 3.2 | .8 | .2 | .6 | .0 | | 24.1 | 8614 | | | |

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

720227
STATION

WATERTOWN NY

STATION NAME

52-54, 62-83

YEARS

DAILY SNOW DEPTH IN INCHES

| MONTH YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|---------------|--------|--------|--------|-------|------|------|------|------|------|------|-------|-------|---------------|
| 52 | | | | | | | 0 | 0 | 0 | 0 | 3 | 3 | |
| 53 | 9 | 5 | TRACE | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 9 |
| 54 | 7 | 8 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 8 |
| 55 | | | | | | | | | | | | | |
| 56 | 57 | 58 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 21 | 58 |
| 57 | 22 | 5 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 22 |
| 58 | 9 | 24 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 24 |
| 59 | 32 | 32 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 32 |
| 60 | 15 | 8 | 5 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 13 | 15 |
| 61 | 12 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 7 | 12 |
| 62 | 15 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 8 | 15 |
| 63 | 32 | 14 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 32 |
| 64 | 22 | 34 | 31 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 7 | 34 |
| 65 | 4 | 22 | 16 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 10 | 22 |
| 66 | 6 | 10 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 |
| 67 | 14 | 4 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 14 |
| 68 | 13 | 10 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 13 |
| 69 | 16 | 9 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 16 | 16 |
| 70 | 62 | 69 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 30 | 69 |
| 71 | 31 | 19 | 17 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 14 | 31 |
| 72 | 20 | 13 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 20 |
| 73 | 4 | 11 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 11 |
| 74 | 13 | 18 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 18 |
| 75 | 19 | 21 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 21 |
| 76 | 2 | 6 | 1 | 4 | | | | 0 | 0 | 0 | 1 | 29 | |
| 77 | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | |
| MEAN | 19.0 | 17.9 | 9.6 | 1.4 | .0 | .0 | .0 | .0 | .0 | .2 | 3.1 | 11.6 | 23.0 |
| S.D. | 15.423 | 16.771 | 11.496 | 1.409 | .000 | .000 | .000 | .000 | .000 | .554 | 3.328 | 9.233 | 15.341 |
| TOTAL OBS | 713 | 649 | 713 | 697 | 682 | 660 | 713 | 744 | 750 | 775 | 750 | 775 | 8614 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- DATA NOT AVAILABLE**
- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

CLIMATE CLIMATOLOGY SEARCH
 AFETAC
 ALL FATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-227 WATERLOO, NY STATION NAME 74-83 YEARS JAN MONTH
 CLASS ALL FATHER
 CONDITION 0000-0200
 HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | 1.4 | 2.8 | 1.8 | | | | | | | | 1.5 | 9.0 |
| NNE | | 1.1 | 1.5 | .6 | .1 | | | | | | | 3.3 | 8.4 |
| NE | | 1.4 | 2.3 | 2.8 | .8 | | | | | | | 7.2 | 10.7 |
| ENE | .7 | 5.1 | 3.9 | 1.5 | | | | | | | | 10.4 | 7.2 |
| E | .2 | 2.9 | 1.3 | .1 | | | | | | | | 4.5 | 5.7 |
| ESE | .2 | .9 | .1 | | | | | | | | | 1.1 | 4.5 |
| SE | .7 | .4 | .2 | .2 | | | | | | | | 1.1 | 6.6 |
| SSE | .7 | 1.2 | .4 | .9 | .2 | | | | | | | 3.0 | 8.6 |
| S | .3 | 2.0 | 4.7 | 4.6 | 1.8 | .4 | | | | | | 13.7 | 11.2 |
| SSW | | 1.4 | .6 | 1.4 | .2 | .2 | | | | | | 3.9 | 10.5 |
| SW | .1 | .5 | 1.9 | 1.9 | .8 | .4 | | | | | | 5.5 | 12.4 |
| WSW | .1 | .6 | 2.3 | 2.8 | 1.1 | .2 | | | | | | 7.1 | 12.3 |
| W | .1 | 1.2 | 4.1 | 4.4 | 2.2 | .5 | | | | | | 12.5 | 12.5 |
| WNW | .1 | .2 | 1.2 | 2.2 | .2 | | | | | | | 4.6 | 10.9 |
| NW | | .9 | 1.3 | .4 | | | | | | | | 2.6 | 8.0 |
| NNW | .1 | .3 | .4 | .2 | .1 | | | | | | | 1.2 | 9.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.9 | |
| | 1.1 | 21.6 | 28.3 | 25.8 | 7.4 | 1.8 | | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74-83 STATION NAME LAKEVIEW NY YEARS 74-83 MONTH JAN
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.) 0000-2400

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | .1 | 2.4 | 2.2 | 1.3 | .2 | | | | | | | 0.1 | 8.4 |
| NNE | .1 | 1.0 | 2.7 | 1.7 | .2 | | | | | | | 4.3 | 9.1 |
| NE | .2 | 2.8 | 3.5 | 2.8 | .5 | .1 | | | | | | 9.8 | 9.6 |
| ENE | .3 | 5.4 | 2.2 | 1.3 | .1 | | | | | | | 7.1 | 8.6 |
| E | .2 | 4.3 | .9 | | | | | | | | | 2.4 | 5.1 |
| ESE | .1 | .3 | | | | | | | | | | 1.2 | 4.2 |
| SE | .1 | .2 | .7 | .1 | | | | | | | | 1.2 | 6.8 |
| SSE | .1 | .9 | .7 | .4 | .4 | .2 | .1 | | | | | 2.2 | 11.3 |
| S | .3 | 1.4 | 5.1 | 4.0 | 1.9 | .4 | .1 | | | | | 12.2 | 11.7 |
| SSW | .3 | 1.1 | 1.3 | 1.4 | .2 | .1 | | | | | | 4.7 | 9.2 |
| SW | .1 | .5 | .5 | 1.7 | .2 | 1.1 | | | | | | 4.4 | 14.3 |
| WSW | .1 | 1.7 | 2.5 | 1.8 | 1.9 | .1 | .1 | | | | | 8.3 | 11.6 |
| W | | 1.4 | 3.3 | 3.4 | 1.2 | .5 | | | | | | 7.9 | 12.1 |
| WNW | | .4 | 2.7 | 1.7 | .1 | .1 | | | | | | 4.4 | 10.8 |
| NW | | .3 | .7 | .5 | | .1 | | | | | | 1.0 | 15.1 |
| NNW | | .2 | .8 | .1 | | | | | | | | 1.4 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.9 | |
| | 2.3 | 25.6 | 28.2 | 21.3 | 7.1 | 2.8 | .3 | | | | | 11.3 | 8.7 |

TOTAL NUMBER OF OBSERVATIONS 93

FEDERAL BUREAU OF SURVEY
STATION
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 027 STATION NAME ALBANY, NY YEARS 74-80 MONTH JAN
CLASS ALL WEATHER
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 2.7 | 1.9 | .9 | | | | | | | | 7.6 | 7.6 |
| NNE | | 1.1 | 1.3 | 1.3 | .3 | | | | | | | 4.7 | 9.4 |
| NE | | 2.3 | 4.1 | 1.5 | .4 | .2 | | | | | | 6.7 | 9.2 |
| ENE | | 4.2 | 2.3 | 1.1 | .4 | | | | | | | 5.2 | 7.5 |
| E | | 5.3 | .2 | | | | | | | | | 5.5 | 5.0 |
| ESE | | .9 | | .1 | | | | | | | | 1.2 | 5.2 |
| SE | | .2 | .4 | .3 | | | | | | | | 1.1 | 8.7 |
| SSE | | 1.2 | 1.7 | .5 | .3 | .1 | | | | | | 3.3 | 9.3 |
| S | | 2.4 | 5.3 | 4.1 | 2.0 | .4 | .2 | | | | | 14.8 | 11.4 |
| SSW | | .4 | .9 | 1.0 | .2 | .1 | | | | | | 3.0 | 10.5 |
| SW | | 1.7 | .9 | 2.3 | .1 | .5 | .2 | | | | | 5.4 | 12.1 |
| WSW | | 2.5 | 1.5 | 2.0 | 1.4 | .2 | .2 | | | | | 6.3 | 10.9 |
| W | | .3 | 4.6 | 2.8 | 1.6 | .1 | | | | | | 11.0 | 11.6 |
| WNW | | .0 | 1.8 | 1.1 | .1 | | | | | | | 3.0 | 9.6 |
| NW | | .0 | .6 | .1 | | | | | | | | 1.4 | 7.1 |
| NNW | | .4 | .4 | .2 | | | | | | | | 1.2 | 7.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.4 | |
| | 3.7 | 27.1 | 28.3 | 14.2 | 7.0 | 1.7 | .6 | | | | | 100.0 | 8.4 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 SET C
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 027 STATION NAME TERTON, NY YEARS 74-83
 CLASS ALL WEATHER
 CONDITION
 MONTH JAN
 HOURS (L.S.T.) 1700-1400

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.2 | 2.3 | .8 | .1 | | | | | | | 4.9 | 8.3 |
| NNE | | 1.6 | 1.7 | 1.7 | .2 | | | | | | | 5.3 | 9.5 |
| NE | .1 | 1.7 | 3.9 | 3.0 | .6 | .1 | | | | | | 5.5 | 10.0 |
| ENE | | .4 | 1.1 | 1.1 | .3 | .2 | | | | | | 1.3 | 11.5 |
| E | .1 | .8 | .2 | .2 | .1 | | | | | | | 1.2 | 8.5 |
| ESE | | .6 | .2 | | | | | | | | | 1.1 | 5.2 |
| SE | .1 | .5 | .4 | .1 | | | | | | | | 1.2 | 6.2 |
| SSE | .1 | .8 | 1.7 | .2 | .4 | .1 | | | | | | 2.6 | 10.3 |
| S | | 1.2 | 6.2 | 3.8 | 1.9 | .5 | | | | | | 13.7 | 11.7 |
| SSW | | .4 | 2.5 | 1.4 | .1 | | | | | | | 4.4 | 10.2 |
| SW | .3 | .6 | 1.3 | 3.0 | 1.3 | .8 | | | | | | 7.8 | 13.1 |
| WSW | | 2.5 | 4.4 | 4.3 | 3.1 | .8 | .1 | | | | | 15.2 | 12.3 |
| W | .3 | 2.4 | 5.5 | 4.3 | 3.2 | .3 | | | | | | 15.9 | 11.8 |
| WNW | | .3 | 1.3 | 1.0 | .5 | .3 | | | | | | 3.9 | 11.1 |
| NW | .4 | .6 | 1.7 | .1 | | | | | | | | 2.2 | 6.8 |
| NNW | .4 | .5 | .2 | .3 | | | | | | | | 2.5 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.5 | |
| | 2.3 | 17.7 | 34.1 | 25.3 | 12.0 | 3.1 | .1 | | | | | 100.0 | 10.3 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 22-227 STATION NAME ATERTOWN NY YEARS 74-83 MONTH JAN
CLASS ALL WEATHER 1500-1700
CONDITION HOURE (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.5 | 2.2 | .3 | | | | | | | | 4.1 | 7.7 |
| NNE | | 1.6 | 2.6 | 2.6 | .2 | | | | | | | 7.0 | 9.9 |
| NE | .3 | 1.3 | 2.7 | 2.8 | .6 | | | | | | | 7.0 | 10.4 |
| ENE | | 1.9 | 1.6 | 1.5 | .1 | | | | | | | 5.2 | 9.3 |
| E | | .9 | .1 | .1 | | | | | | | | 1.1 | 6.1 |
| ESE | | .3 | .4 | | | | | | | | | .5 | 7.0 |
| SE | | .8 | .5 | .1 | | | | | | | | 1.4 | 6.9 |
| SSE | .3 | .6 | .9 | .4 | | | | | | | | 2.3 | 7.5 |
| S | .3 | 2.3 | 4.3 | 2.9 | 1.2 | .1 | | | | | | 11.8 | 10.3 |
| SSW | .1 | 1.5 | 2.7 | 1.6 | .3 | | | | | | | 5.6 | 9.4 |
| SW | .2 | 1.7 | 3.2 | 2.7 | 1.1 | .8 | .1 | | | | | 9.8 | 11.8 |
| WSW | | 3.7 | 4.3 | 4.2 | 2.9 | .9 | .3 | | | | | 16.2 | 12.1 |
| W | .2 | 2.2 | 3.4 | 3.8 | 2.3 | 1.0 | .3 | | | | | 13.1 | 13.0 |
| WNW | | 1.5 | 1.4 | 1.3 | .8 | | | | | | | 4.9 | 10.2 |
| NW | | .4 | .9 | .2 | | | | | | | | 1.5 | 7.9 |
| NNW | .1 | .5 | .9 | .1 | | | | | | | | 1.6 | 7.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.5 | |
| | 1.5 | 22.7 | 30.8 | 24.6 | 9.5 | 2.7 | .8 | | | | | 100.0 | 9.8 |

TOTAL NUMBER OF OBSERVATIONS 930

JOINT CLIMATE LOGIC BRANCH
AFCEA
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10-227 STATION NAME CAIRNVIEW, NY YEARS 74-83 MONTH JAN
CLASS ALL WEATHER 1800-2000
CONDITION HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 2.2 | 1.7 | .5 | | | | | | | | 4.6 | 7.0 |
| NNE | .1 | 1.3 | 2.5 | 1.2 | | | | | | | | 4.7 | 8.5 |
| NE | | 1.3 | 3.1 | 2.6 | .3 | | | | | | | 7.8 | 9.7 |
| ENE | | 3.3 | 2.9 | 2.3 | | | | | | | | 6.4 | 8.3 |
| E | .3 | 2.6 | .3 | | | | | | | | | 3.4 | 5.2 |
| ESE | | 1.1 | .1 | .1 | | | | | | | | 1.3 | 5.7 |
| SE | .1 | 1.1 | .3 | .2 | | | | | | | | 1.7 | 6.5 |
| SSE | .2 | 1.0 | 1.4 | .6 | | | | | | | | 3.2 | 8.1 |
| S | .1 | 4.2 | 3.2 | 3.3 | 1.1 | .1 | | | | | | 12.0 | 9.5 |
| SSW | .3 | 1.4 | 1.5 | 1.3 | .4 | .3 | | | | | | 5.2 | 10.6 |
| SW | .1 | 1.9 | 1.3 | 2.7 | 1.2 | .5 | .1 | | | | | 8.4 | 12.0 |
| WSW | | 1.6 | 2.4 | 2.3 | 2.5 | .5 | | | | | | 9.2 | 12.8 |
| W | .1 | 1.0 | 3.7 | 4.1 | 2.7 | 1.2 | | | | | | 12.2 | 13.6 |
| WNW | .2 | .1 | 1.1 | 1.5 | | .1 | | | | | | 3.0 | 11.6 |
| NW | | .6 | .8 | .1 | | | | | | | | 1.5 | 7.6 |
| NNW | | .6 | | .1 | | | | | | | | .8 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.5 | |
| | 1.3 | 25.7 | 26.7 | 22.9 | 8.2 | 2.8 | .1 | | | | | 100.0 | 8.9 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10227 STATION NAME: WAFETAC, N.Y. 74-83 YEARS: MONTH: JAN
CLASS: ALL WEATHER HOURS (L.S.T.): 100-2300
CONDITION:

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .3 | 1.9 | 2.1 | 1.3 | | | | | | | | 3.2 | 7.6 |
| NNE | | 1.2 | 1.2 | 1.6 | .1 | | | | | | | 4.2 | 9.4 |
| NE | .3 | 1.8 | 2.6 | 2.8 | .1 | | | | | | | 7.6 | 9.3 |
| ENE | .4 | 3.5 | 3.4 | 1.2 | .1 | | | | | | | 6.7 | 7.4 |
| E | .1 | 5.4 | .6 | .1 | | | | | | | | 6.2 | 5.4 |
| ESE | .2 | .8 | .1 | | | | | | | | | 1.1 | 4.8 |
| SE | .1 | .4 | .3 | .1 | | | | | | | | 1.3 | 6.3 |
| SSE | | 1.1 | .3 | .6 | .2 | | | | | | | 2.7 | 8.8 |
| S | .3 | 2.6 | 4.1 | 4.1 | .9 | | | | | | | 11.9 | 9.9 |
| SSW | .3 | 2.2 | 1.6 | .8 | .2 | .4 | | | | | | 5.5 | 9.5 |
| SW | .1 | 1.1 | 1.1 | 2.7 | .9 | .1 | .1 | | | | | 6.3 | 12.2 |
| WSW | | 1.3 | 2.2 | 3.7 | 1.9 | .2 | | | | | | 9.2 | 12.6 |
| W | | 1.3 | 4.4 | 4.6 | 1.5 | .8 | .1 | | | | | 12.7 | 12.7 |
| WNW | | .3 | 1.6 | 2.3 | .5 | | | | | | | 4.7 | 11.9 |
| NW | .1 | .2 | .3 | .5 | | | | | | | | 1.7 | 9.1 |
| NNW | | 1.2 | .4 | .3 | | | | | | | | 1.9 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 2.4 | 26.6 | 27.3 | 26.3 | 6.5 | 1.5 | .2 | | | | | 100.0 | 8.9 |

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH
ETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 227 STATION NAME AIRPORT, NY YEARS 74-83 JAN MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.2 | 2.2 | .9 | .1 | | | | | | | 5.1 | 8.0 |
| NNE | .1 | 1.2 | 1.3 | 1.4 | .2 | | | | | | | 4.8 | 9.3 |
| NE | .1 | 1.2 | 3.2 | 2.7 | .5 | .1 | | | | | | 8.5 | 9.9 |
| ENE | .3 | 3.4 | 2.5 | 1.3 | .1 | .0 | | | | | | 7.7 | 7.7 |
| E | .3 | 3.1 | .5 | .1 | .0 | | | | | | | 4.0 | 5.4 |
| ESE | .1 | .7 | .1 | .0 | | | | | | | | 1.0 | 5.2 |
| SE | .1 | .6 | .4 | .2 | | .0 | | | | | | 1.2 | 6.9 |
| SSE | .2 | .2 | 1.0 | .5 | .2 | .1 | .0 | | | | | 2.9 | 9.1 |
| S | .3 | 2.2 | 4.6 | 4.2 | 1.5 | .4 | .1 | | | | | 13.3 | 11.1 |
| SSW | .3 | 1.2 | 1.5 | 1.3 | .2 | .1 | | | | | | 4.6 | 9.9 |
| SW | .1 | 1.1 | 1.6 | 2.4 | .7 | .6 | .1 | | | | | 6.7 | 12.4 |
| WSW | .1 | 1.2 | 2.7 | 2.9 | 2.1 | .4 | .1 | | | | | 10.3 | 12.2 |
| W | .1 | 1.5 | 4.7 | 3.8 | 2.1 | .6 | .1 | | | | | 12.2 | 12.4 |
| WNW | .1 | .6 | 1.6 | 1.5 | .3 | .1 | | | | | | 4.2 | 10.7 |
| NW | .1 | .6 | .3 | .3 | | .0 | | | | | | 1.8 | 8.0 |
| NNW | .1 | .7 | .6 | .2 | .0 | | | | | | | 1.6 | 7.2 |
| VARB. | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.0 | |
| | 2.5 | 23.6 | 29.3 | 24.7 | 8.2 | 2.4 | .3 | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS 7440

LOCAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

227 STATION WERTON, NY STATION NAME 74-83 YEARS FFB MONTH 0000-0000
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 2.1 | 3.4 | .9 | | | | | | | | 6.6 | 8.1 |
| NNE | | 1.4 | 2.7 | 1.7 | .1 | .1 | | | | | | 3.3 | 9.5 |
| NE | .1 | 1.7 | 2.4 | 1.7 | .7 | | | | | | | 7.5 | 9.5 |
| ENE | .1 | 4.4 | 2.5 | .8 | .1 | | | | | | | 7.9 | 7.3 |
| E | .1 | 5.7 | .9 | | | | | | | | | 6.6 | 5.2 |
| ESE | .2 | 1.4 | .2 | | | | | | | | | 2.2 | 4.8 |
| SE | .4 | .5 | .5 | .5 | | | | | | | | 2.1 | 7.2 |
| SSE | .1 | .2 | .7 | .5 | .1 | | .2 | .1 | | | | 6.6 | 11.4 |
| S | .4 | 3.4 | 4.7 | 4.1 | .6 | | | | | | | 12.5 | 9.5 |
| SSW | .4 | 1.3 | 1.5 | 1.2 | .1 | .2 | | | | | | 4.7 | 9.7 |
| SW | | 1.8 | 1.5 | .2 | .6 | .4 | .1 | | | | | 7.5 | 10.7 |
| WSW | .3 | 3.3 | 2.4 | 2.7 | .7 | .2 | | | | | | 10.3 | 9.7 |
| W | | 1.1 | 1.7 | 4.7 | 1.3 | .5 | | | | | | 8.5 | 12.9 |
| WNW | .1 | .8 | .7 | .8 | .2 | | | | | | | 2.7 | 9.4 |
| NW | | .9 | .7 | .1 | | | | | | | | 1.8 | 7.1 |
| NNW | | .5 | .7 | | | | | | | | | 1.2 | 6.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.5 | |
| | 3.4 | 31.8 | 26.5 | 21.3 | 4.6 | 1.4 | .4 | .1 | | | | 100.0 | 8.2 |

TOTAL NUMBER OF OBSERVATIONS 686

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 STATION NAME AIRPORT NY YEARS 74-83 MONTH FE3
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.) 0000-0500

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | 2.0 | 1.2 | 1.1 | | | | | | | | 5.3 | 7.0 |
| NNE | .4 | 1.5 | 1.4 | 1.5 | | | | | | | | 4.6 | 8.6 |
| NE | .4 | 3.0 | 2.4 | 1.7 | .8 | | | | | | | 7.8 | 9.6 |
| ENE | .4 | 3.5 | 2.1 | 1.5 | .1 | | | | | | | 7.7 | 7.5 |
| E | .7 | 5.8 | .4 | | | | | | | | | 7.1 | 4.8 |
| ESE | .5 | .7 | .5 | | | | | | | | | 1.7 | 5.1 |
| SE | | .5 | .1 | .1 | | | | | | | | .7 | 6.3 |
| SSE | .4 | .5 | .5 | .7 | .1 | | .4 | | | | | .5 | 11.7 |
| S | .4 | 3.7 | 5.2 | 5.3 | .4 | | | | | | | 14.9 | 9.3 |
| SSW | .4 | 1.5 | 1.4 | .9 | | | | | | | | 4.3 | 7.9 |
| SW | .4 | 2.1 | 1.5 | 1.8 | .7 | .2 | | | | | | 6.7 | 9.9 |
| WSW | .5 | 3.2 | 2.5 | 1.1 | 1.3 | .8 | | .4 | | | | 9.2 | 11.7 |
| W | .1 | .8 | 2.7 | 2.4 | .8 | .2 | | | | | | 7.1 | 11.2 |
| WNW | | .7 | 1.7 | .8 | .1 | | | | | | | 3.3 | 9.5 |
| NW | | .8 | .2 | .1 | | | | | | | | 1.2 | 6.4 |
| NNW | | .7 | 1.4 | .1 | | | | | | | | 2.2 | 7.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.5 | |
| | 4.1 | 31.2 | 25.7 | 19.1 | 8.4 | 1.3 | .4 | .4 | | | | 100.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 WERTOWN NY STATION NAME 74-23 YEARS SEP
MONTH 1960-1960
CLASS ALL WEATHER
CONDITION 1600-0600
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | 2.7 | 1.3 | .8 | | | | | | | | 5.5 | 7.2 |
| NNE | .7 | 1.7 | 1.5 | 1.5 | .2 | | | | | | | 5.2 | 9.0 |
| NE | | 2.6 | 2.1 | 2.2 | .2 | .1 | | | | | | 7.3 | 9.7 |
| ENE | .1 | 5.1 | 2.3 | .4 | .1 | | | | | | | 6.5 | 6.7 |
| E | .5 | 5.7 | .7 | | | | | | | | | 6.3 | 4.9 |
| ESE | .3 | .5 | .1 | .2 | | | | | | | | 1.1 | 6.4 |
| SE | .1 | .4 | .2 | | | | | | | | | .7 | 5.8 |
| SSE | .3 | 1.3 | .3 | 1.2 | | .1 | .1 | | | | | 3.9 | 9.8 |
| S | .2 | 3.5 | 5.6 | 5.8 | .7 | .2 | | | | | | 16.1 | 9.9 |
| SSW | .4 | 1.3 | .5 | 1.4 | .1 | | | | | | | 3.7 | 9.0 |
| SW | .6 | 2.5 | 1.1 | 1.9 | .7 | .1 | .2 | | | | | 7.1 | 10.2 |
| WSW | .1 | 2.2 | 2.5 | 1.5 | .5 | .2 | .1 | .1 | | | | 7.3 | 10.3 |
| W | .1 | .9 | 1.7 | 1.3 | 2.0 | .2 | | | | | | 6.3 | 12.8 |
| WNW | .7 | .1 | 1.7 | .5 | .4 | | | | | | | 2.7 | 10.0 |
| NW | .1 | .3 | 1.2 | .1 | | | | | | | | 2.4 | 7.3 |
| NNW | .1 | .6 | 1.1 | .1 | | | | | | | | 1.9 | 7.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.6 | |
| | 3.3 | 31.3 | 25.4 | 15.0 | 5.0 | 1.1 | .5 | .1 | | | | 100.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS 646

NATIONAL CLIMATOLOGY BRANCH
 AFMPC
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13 227 STATION NAME AIRPORT NY YEARS 74-83 MONTH FEB
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-1100
 CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 2.4 | 3.5 | 1.2 | | | | | | | | 7.8 | 8.0 |
| NNE | | 1.2 | 1.3 | 1.3 | .1 | | | | | | | 7.2 | 9.5 |
| NE | .1 | 2.1 | 3.1 | 2.5 | .5 | .1 | | | | | | 8.7 | 9.9 |
| ENE | | 1.7 | 3.7 | .4 | | | | | | | | 5.0 | 7.7 |
| E | .3 | 1.7 | .2 | | | | | | | | | 7.7 | 4.9 |
| ESE | | .1 | .2 | .1 | | | | | | | | .6 | 9.2 |
| SE | .1 | .2 | .1 | .1 | | | | | | | | .6 | 7.4 |
| SSE | | .4 | 1.4 | .7 | .4 | | | | | | | .5 | 10.5 |
| S | | 2.1 | 5.3 | 5.7 | 1.1 | .4 | | | | | | 14.3 | 11.2 |
| SSW | .1 | .3 | 2.6 | 3.7 | .2 | | | | | | | 8.9 | 10.5 |
| SW | .3 | 1.4 | 1.5 | 2.5 | .4 | | .1 | | | | | 8.1 | 10.5 |
| WSW | .4 | 2.3 | 3.4 | 2.5 | 1.3 | .4 | | | | | | 10.0 | 10.5 |
| W | .1 | 2.2 | 3.2 | 3.2 | 1.1 | .4 | | | | | | 10.2 | 11.0 |
| WNW | .1 | 1.3 | 1.5 | .9 | .2 | | | | | | | 4.1 | 8.9 |
| NW | | 1.1 | 1.3 | | | | | | | | | 3.0 | 7.3 |
| NNW | | .4 | .6 | .2 | | | | | | | | 1.2 | 7.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 2.2 | 23.3 | 35.9 | 24.5 | 5.2 | 1.2 | .1 | | | | | 100.0 | 8.9 |

TOTAL NUMBER OF OBSERVATIONS 846

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12227 WATER TOWN, NY STATION NAME 74-83 YEARS FEB MONTH
CLASS ALL WEATHER 1970-1980 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.2 | 4.1 | 1.8 | | | | | | | | 7.4 | 8.5 |
| NNE | .1 | 1.7 | 3.9 | 1.7 | .6 | | | | | | | 7.6 | 9.9 |
| NE | | 1.2 | 2.6 | 2.2 | .2 | | | | | | | 6.2 | 9.6 |
| ENE | | 1.3 | 1.2 | .2 | .1 | | | | | | | 2.8 | 8.0 |
| E | | .4 | .2 | .1 | | | | | | | | .7 | 7.3 |
| ESE | | .2 | .2 | | | | | | | | | .5 | 7.3 |
| SE | .1 | | | | | | | | | | | .1 | 2.0 |
| SSE | .1 | .4 | .4 | 1.2 | .8 | | | | | | | 2.6 | 12.5 |
| S | | 1.5 | 3.9 | 4.5 | .8 | .1 | | | | | | 10.9 | 11.3 |
| SSW | | .6 | 2.0 | 4.4 | .1 | | | | | | | 7.6 | 11.4 |
| SW | .1 | .7 | 1.9 | 4.8 | 1.2 | .2 | | | | | | 6.9 | 12.9 |
| WSW | | 2.2 | 6.4 | 7.4 | 1.6 | .2 | .1 | | | | | 18.2 | 11.5 |
| W | .4 | 2.4 | 6.1 | 3.9 | 1.2 | .4 | | | | | | 14.3 | 10.6 |
| WNW | | 1.1 | .7 | 1.3 | | | | | | | | 3.3 | 8.6 |
| NW | .1 | .3 | .3 | | | | | | | | | 1.6 | 6.3 |
| NNW | | .7 | .9 | .1 | | | | | | | | 1.7 | 7.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.9 | |
| | 1.1 | 17.6 | 35.8 | 33.7 | 6.9 | .9 | .1 | | | | | 100.0 | 10.1 |

TOTAL NUMBER OF OBSERVATIONS 646

CLIMATE CLIMATOLOGY BRANCH
STAG
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 127 STATION NAME ALBANY, NY YEARS 74-83 MONTH FEB
CLASS ALL WEATHER
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.3 | 3.4 | 1.7 | .1 | | | | | | | 7.8 | 9.0 |
| NNE | | 1.7 | 4.1 | 1.5 | .8 | | | | | | | 8.2 | 9.6 |
| NE | | 1.2 | 2.7 | 2.1 | .2 | | | | | | | 5.6 | 10.4 |
| ENE | | 1.4 | .6 | .4 | .1 | | | | | | | 2.5 | 7.7 |
| E | .1 | .4 | .7 | .1 | | | | | | | | 1.3 | 7.9 |
| ESE | | .2 | .4 | .3 | | | | | | | | 1.4 | 10.1 |
| SE | | .1 | .2 | .4 | | | | | | | | .7 | 10.2 |
| SSE | | .4 | .1 | .5 | .2 | | | | | | | 1.2 | 11.6 |
| S | .2 | 1.3 | 3.7 | 3.2 | .7 | .1 | .1 | | | | | 2.3 | 10.6 |
| SSW | | 1.3 | 2.7 | 2.5 | | | | | | | | 2.5 | 9.8 |
| SW | | 2.1 | 4.7 | 4.4 | 1.7 | .2 | | | | | | 13.1 | 11.1 |
| WSW | .4 | 4.2 | 7.3 | 7.7 | 2.5 | .6 | .1 | | | | | 21.9 | 11.3 |
| W | .4 | 2.6 | 5.1 | 2.6 | 2.1 | .2 | | | | | | 13.0 | 10.6 |
| WNW | .1 | 1.4 | 1.3 | .4 | .1 | | | | | | | 1.3 | 7.6 |
| NW | | .6 | .3 | .1 | | | | | | | | 1.0 | 7.0 |
| NNW | | .6 | .1 | .4 | | | | | | | | 1.1 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 1.2 | 21.0 | 37.4 | 27.9 | 8.6 | 1.2 | .2 | | | | | 100.0 | 10.0 |

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00027 ALBANY NY STATION NAME 74-83 YEARS 1960-2000 MONTH FEB
CLASS ALL WEATHER
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.3 | 1.3 | 1.5 | | | | | | | | 4.7 | 8.4 |
| NNE | .7 | .7 | 2.3 | 1.3 | | | | | | | | 4.7 | 9.3 |
| NE | .4 | 1.3 | 2.3 | 1.9 | 1.1 | | | | | | | 7.1 | 10.2 |
| ENE | .7 | 1.3 | 1.2 | .5 | .5 | | | | | | | 4.5 | 7.7 |
| E | .7 | 3.4 | .4 | | | | | | | | | 4.3 | 4.7 |
| ESE | .1 | 1.3 | .6 | .1 | | | | | | | | .1 | 6.1 |
| SE | .4 | 1.3 | .7 | .4 | .5 | | | | | | | .3 | 7.8 |
| SSE | .7 | 2.2 | .5 | .1 | .2 | .2 | | | | | | 4.0 | 6.9 |
| S | 1.2 | 3.4 | 4.3 | 4.3 | .7 | | | | | | | 13.8 | 9.3 |
| SSW | .7 | 4.1 | 1.4 | .6 | | | | | | | | .5 | 6.4 |
| SW | .7 | 4.3 | 2.7 | 1.9 | 1.7 | .1 | | | | | | 10.9 | 9.6 |
| WSW | .7 | 2.2 | 5.0 | 3.9 | 2.2 | .2 | .1 | | | | | 14.2 | 11.4 |
| W | | .3 | 1.7 | 2.8 | 1.1 | .2 | | | | | | 6.6 | 12.8 |
| WNW | .1 | .2 | .5 | .4 | .1 | | | | | | | 1.5 | 9.5 |
| NW | | .7 | .1 | .1 | | | | | | | | .5 | 7.8 |
| NNW | .1 | .5 | | .1 | | | | | | | | .3 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.0 | |
| | 0.3 | 3.5 | 24.7 | 19.9 | 8.0 | .8 | .1 | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS 646

AL CLIMATE LOG
STATION
STATION NAME

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74-53 STATION NAME YEARS MONTH 1955
CLASS ALL WEATHER
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | | 1.2 | 1.3 | 1.4 | | | | | | | | 3.1 | 8.5 |
| NNE | | 1.2 | 1.7 | 1.5 | | | | | | | | 4.5 | 9.2 |
| NE | .1 | 1.1 | 2.5 | 2.3 | .5 | | | | | | | 6.1 | 13.2 |
| ENE | .3 | 4.7 | 2.5 | .8 | .2 | | | | | | | 8.5 | 7.2 |
| E | .3 | 6.6 | .1 | | | | | | | | | 7.2 | 4.9 |
| ESE | .3 | 1.7 | .2 | | | | | | | | | 2.7 | 4.6 |
| SE | .1 | .2 | .6 | .1 | .1 | | | | | | | 1.2 | 7.4 |
| SSE | .3 | 1.4 | 1.3 | .2 | .2 | .4 | | | | | | 3.7 | 9.4 |
| S | .3 | 4.2 | 3.2 | 4.0 | .6 | | | | | | | 13.1 | 8.0 |
| SSW | .3 | 1.3 | 2.7 | .8 | .8 | | | | | | | 6.2 | 9.0 |
| SW | | 1.2 | 2.2 | 3.0 | .9 | | | | | | | 6.2 | 13.7 |
| WSW | .3 | 2.5 | 3.1 | 2.8 | 1.2 | .5 | | | | | | 10.2 | 10.0 |
| W | | .7 | 2.2 | 3.9 | 1.2 | .2 | | | | | | 6.3 | 12.0 |
| WNW | | .4 | .2 | .9 | .5 | | | | | | | 2.0 | 11.5 |
| NW | | .0 | .6 | .2 | .1 | | | | | | | 1.3 | 8.1 |
| NNW | | .3 | .5 | .4 | | | | | | | | 1.2 | 9.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 2.7 | 32.2 | 25.3 | 22.2 | 6.4 | 1.1 | | | | | | 100.0 | 8.2 |

TOTAL NUMBER OF OBSERVATIONS 646

U.S. AIR FORCE CLIMATOLOGY BRANCH
USAFETAC
AIR FORCE SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 100227 STATION NAME ALBANY, NY YEARS 74-83 MONTH FEB
CLASS ALL WEATHER HOURS (L.S.T.) ALL
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | .1 | 2.1 | 2.7 | 1.3 | .2 | | | | | | | .4 | 8.2 |
| NNE | .1 | 1.5 | 2.5 | 1.6 | .2 | .2 | | | | | | .4 | 9.3 |
| NE | .1 | 1.5 | 2.5 | 2.1 | .5 | .2 | | | | | | .7 | 9.9 |
| ENE | .1 | 3.1 | 2.7 | .6 | .2 | | | | | | | .3 | 7.3 |
| E | .4 | 3.8 | .9 | .7 | | | | | | | | .5 | 5.6 |
| ESE | .3 | .1 | .3 | .2 | | | | | | | | .3 | 6.1 |
| SE | .1 | .1 | .3 | .2 | .1 | | | | | | | .3 | 7.4 |
| SSE | .2 | .2 | .7 | .6 | .3 | .1 | .1 | .2 | | | | .5 | 10.1 |
| S | .1 | 3.0 | 4.4 | 4.5 | .7 | .1 | .2 | | | | | .1 | 9.9 |
| SSW | .1 | 1.5 | 1.8 | 1.9 | .2 | .2 | | | | | | .7 | 9.4 |
| SW | .3 | 2.1 | 2.1 | 2.9 | 1.6 | .2 | .1 | | | | | .5 | 10.7 |
| WSW | .2 | 2.9 | 4.1 | 3.6 | 1.4 | .4 | .1 | .1 | | | | .8 | 11.7 |
| W | .1 | 1.4 | 3.7 | 1.7 | 1.3 | .3 | | | | | | .3 | 11.6 |
| WNW | .1 | .2 | 1.1 | .9 | .2 | | | | | | | .3 | 9.3 |
| NW | .1 | .9 | .3 | .1 | .2 | | | | | | | .7 | 7.1 |
| NNW | .1 | .1 | .7 | .2 | | | | | | | | .4 | 7.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .1 | |
| | 4.7 | 27.4 | 29.5 | 23.4 | 6.1 | 1.1 | .2 | .1 | | | | 10.0 | 8.8 |

TOTAL NUMBER OF OBSERVATIONS 6762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AMC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74-227 STATION NAME AIRPORT NY YEARS 74-83 MONTH 4-9
CLASS ALL WEATHER HOURS (L.S.T.) 000-0200
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.1 | 1.5 | 1.2 | | | | | | | | 3.0 | 8.9 |
| NNE | .3 | .9 | 1.5 | .4 | | | | | | | | 3.1 | 7.8 |
| NE | .2 | 1.8 | 2.7 | .5 | .1 | | | | | | | 4.7 | 7.5 |
| ENE | | 4.6 | 3.7 | .9 | .1 | | | | | | | 7.5 | 7.2 |
| E | .7 | 1.1 | 1.5 | .1 | | | | | | | | 6.1 | 5.6 |
| ESE | .7 | 1.5 | .3 | .1 | | | | | | | | 6.3 | 5.5 |
| SE | .3 | 1.3 | .4 | .2 | | | | | | | | 6.2 | 6.4 |
| SSE | .7 | 1.2 | 1.7 | .6 | .2 | | | | | | | 7.7 | 6.6 |
| S | .6 | 2.6 | 4.7 | 3.1 | 2.3 | | | | | | | 16.4 | 10.6 |
| SSW | .3 | 2.5 | 1.3 | 1.1 | .1 | | | | | | | 5.0 | 7.6 |
| SW | .1 | 2.0 | 2.5 | 1.7 | 1.4 | | | | | | | 6.5 | 10.2 |
| WSW | .5 | 2.3 | 2.7 | 3.1 | 1.9 | .1 | | | | | | 16.5 | 10.6 |
| W | .1 | 1.5 | 2.3 | 2.8 | 1.5 | | | | | | | 6.9 | 11.5 |
| WNW | | .6 | .9 | 2.2 | .2 | | | | | | | 6.9 | 11.1 |
| NW | .1 | .8 | 1.3 | 1.7 | .1 | | | | | | | 6.0 | 9.5 |
| NNW | .1 | .6 | .3 | 1.7 | | | | | | | | 6.5 | 10.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.7 | |
| | 3.0 | 32.0 | 27.0 | 20.8 | 7.8 | .1 | | | | | | 100.0 | 8.3 |

TOTAL NUMBER OF OBSERVATIONS 926

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 STATION NAME LAERTOWN NY YEARS 74-83 MONTH MAR
CLASS ALL WEATHER
HOURS (L.S.T.) 0300-0500
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.2 | 1.3 | .9 | .1 | | | | | | | 4.3 | 8.6 |
| NNE | .1 | .3 | 1.3 | 1.7 | .1 | | | | | | | 3.7 | 9.6 |
| NE | .7 | 2.5 | 2.4 | .9 | | | | | | | | 5.8 | 7.5 |
| ENE | .7 | 4.6 | 5.1 | 1.1 | .2 | | | | | | | 11.6 | 7.4 |
| E | .3 | 4.9 | 1.7 | | | | | | | | | 6.2 | 5.3 |
| ESE | .7 | 1.7 | .1 | .1 | | | | | | | | 1.5 | 5.1 |
| SE | .1 | .3 | .3 | | | | | | | | | 1.2 | 5.5 |
| SSE | .3 | 1.3 | .3 | 1.0 | | | | | | | | 3.3 | 8.4 |
| S | .1 | 3.6 | 4.2 | 3.6 | 2.1 | | | | | | | 13.9 | 10.2 |
| SSW | .1 | 1.9 | 1.3 | 1.7 | .2 | | | | | | | 5.3 | 8.9 |
| SW | .7 | 2.2 | 1.7 | 1.5 | .9 | .2 | | | | | | 6.7 | 10.2 |
| WSW | | 1.8 | 3.0 | 3.6 | 1.0 | .1 | | | | | | 9.5 | 10.0 |
| W | .2 | 1.1 | 3.0 | 3.5 | 1.0 | | | | | | | 8.7 | 11.3 |
| WNW | | .3 | 1.3 | 1.2 | .3 | .1 | | | | | | 3.2 | 11.7 |
| NW | .3 | .5 | .9 | 1.7 | .1 | | | | | | | 2.8 | 8.9 |
| NNW | | .6 | .4 | 1.7 | .1 | | | | | | | 2.9 | 11.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.3 | |
| | 3.6 | 28.8 | 29.4 | 22.5 | 6.0 | .4 | | | | | | 100.0 | 8.3 |

TOTAL NUMBER OF OBSERVATIONS 920

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAG

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 750227 WATERLOO NY STATION NAME 74-83 YEARS 4 MONTH MAR
CLASS ALL WEATHER HOURS (L.S.T.) 0600-0600
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.5 | 1.6 | 1.4 | .3 | | | | | | | 5.2 | 9.0 |
| NNE | .1 | .6 | 1.2 | 1.1 | .3 | | | | | | | 3.3 | 10.5 |
| NE | | 2.4 | 3.7 | 1.4 | .3 | | | | | | | 7.7 | 8.8 |
| ENE | .4 | 4.1 | 3.1 | 1.6 | | | | | | | | 9.2 | 7.5 |
| E | .4 | 3.7 | 1.1 | .1 | | | | | | | | 5.3 | 5.7 |
| ESE | .2 | .3 | .3 | | | | | | | | | 1.3 | 5.2 |
| SE | .1 | .4 | .8 | .5 | .1 | | | | | | | 2.0 | 9.4 |
| SSE | .2 | .9 | 1.3 | .5 | .1 | | | | | | | 3.0 | 8.4 |
| S | .4 | 3.0 | 4.2 | 5.2 | 1.4 | | | | | | | 14.2 | 10.4 |
| SSW | .4 | 1.2 | 1.7 | 1.7 | .2 | | | | | | | 4.5 | 8.7 |
| SW | .4 | 2.5 | 2.7 | 1.6 | .6 | .1 | | | | | | 8.0 | 9.2 |
| WSW | .1 | 1.5 | 2.9 | 2.8 | 1.2 | | | | | | | 8.5 | 10.9 |
| W | | 1.3 | 1.4 | 4.6 | 1.4 | .1 | | | | | | 8.6 | 12.6 |
| WNW | .1 | .6 | 2.2 | .9 | .4 | | | | | | | 4.2 | 10.2 |
| NW | | .3 | .2 | .9 | .1 | | | | | | | 2.0 | 10.3 |
| NNW | | .5 | .6 | 1.3 | | | | | | | | 2.5 | 10.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.2 | |
| | 3.4 | 25.3 | 29.5 | 24.9 | 6.6 | .2 | | | | | | 100.0 | 8.5 |

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74-227 WATERLOO, NY STATION NAME 74-83 YEARS MAR
MONTH 1948-1950
CLASS ALL WEATHER
HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 2.2 | 2.6 | 1.7 | .2 | | | | | | | 7.4 | 8.4 |
| NNE | | 1.2 | 2.4 | 1.3 | | | | | | | | 4.5 | 9.1 |
| NE | .1 | 1.0 | 4.2 | 2.0 | .4 | | | | | | | 7.8 | 9.6 |
| ENE | .1 | 1.4 | 3.1 | 1.6 | .5 | | | | | | | 6.8 | 9.7 |
| E | | 1.3 | 1.2 | .5 | | | | | | | | 2.8 | 8.0 |
| ESE | | .3 | .4 | .2 | .1 | | | | | | | 1.1 | 9.6 |
| SE | | .4 | 1.1 | 1.0 | .2 | | | | | | | 2.7 | 10.4 |
| SSE | .1 | .6 | 1.5 | .6 | .6 | | | | | | | 3.5 | 10.6 |
| S | .1 | 2.0 | 3.7 | 4.1 | 1.4 | .4 | | | | | | 11.7 | 11.4 |
| SSW | .1 | .6 | 2.2 | 2.3 | .5 | | | | | | | 5.7 | 11.4 |
| SW | .2 | .9 | 2.4 | 3.1 | 1.0 | .1 | | | | | | 7.6 | 11.8 |
| WSW | .4 | 1.9 | 3.5 | 4.7 | 1.2 | .3 | | | | | | 12.2 | 11.2 |
| W | .1 | 1.4 | 2.2 | 4.3 | 3.3 | .1 | | | | | | 12.2 | 12.9 |
| WNW | | 1.1 | 1.3 | 1.9 | .5 | | | | | | | 4.0 | 10.8 |
| NW | .1 | 1.1 | 1.1 | 1.1 | .1 | | | | | | | 3.4 | 9.0 |
| NNW | .1 | 1.1 | .3 | .6 | .2 | | | | | | | 2.6 | 8.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.6 | |
| | 1.6 | 12.2 | 34.0 | 31.2 | 10.4 | 1.0 | | | | | | 100.0 | 10.3 |

TOTAL NUMBER OF OBSERVATIONS 930

JUNIOR CLIMATOLOGY BRANCH
 AFSTAC
 AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 327 STATION NAME ALBERTA, NY YEARS 74-83 MONTH MAR
 CLASS ALL WEATHER
 HOURS (L.S.T.) 1000-1400
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.7 | 2.5 | 2.2 | .3 | | | | | | | 6.4 | 9.4 |
| NNE | .1 | .3 | 1.5 | 1.0 | | | | | | | | 3.4 | 8.8 |
| NE | | .3 | 2.3 | 2.9 | .4 | .1 | | | | | | 7.0 | 11.1 |
| ENE | .1 | .3 | 1.3 | 1.7 | .3 | | | | | | | 3.3 | 10.1 |
| E | | .9 | .5 | .3 | | | | | | | | 1.9 | 7.4 |
| ESE | .1 | .5 | .4 | .6 | .1 | | | | | | | 1.8 | 9.4 |
| SE | | .3 | .6 | .9 | .1 | | | | | | | 1.9 | 10.4 |
| SSE | | .3 | 1.7 | 1.5 | .1 | .1 | | | | | | 3.0 | 11.5 |
| S | | 1.1 | 3.7 | 3.7 | 2.0 | .4 | | | | | | 10.2 | 12.6 |
| SSW | .1 | .4 | 2.7 | 1.2 | .2 | | | | | | | 4.0 | 10.2 |
| SW | .1 | .6 | 2.5 | 4.5 | 2.6 | .2 | | | | | | 10.5 | 13.5 |
| WSW | .3 | 1.3 | 5.3 | 7.0 | 3.4 | .9 | | | | | | 20.8 | 12.0 |
| W | .1 | 2.7 | 5.6 | 4.3 | 3.2 | .1 | | | | | | 15.8 | 11.9 |
| WNW | | .6 | 1.2 | 1.7 | .1 | | | | | | | 3.7 | 10.5 |
| NW | .1 | .5 | .8 | .4 | .3 | | | | | | | 2.2 | 10.0 |
| NNW | | .5 | 1.1 | .9 | | | | | | | | 2.5 | 9.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.2 | |
| | 1.2 | 14.1 | 32.4 | 36.0 | 13.3 | 1.8 | | | | | | 100.0 | 11.4 |

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
 USAFETAC
 ALL WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1027 STATION NAME AIRPORT YEARS 74-83 MAP MONTH MAR

CLASS ALL WEATHER

CONDITION 1500-1700
 HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | 1.3 | 3.7 | 1.6 | .2 | | | | | | | 2.0 | 9.5 |
| NNE | .2 | .2 | 1.3 | 2.4 | | | | | | | | 4.7 | 9.9 |
| NE | | 1.1 | 2.0 | 2.4 | .2 | | | | | | | 5.7 | 10.6 |
| ENE | | .4 | 1.2 | .4 | .3 | | | | | | | 2.7 | 9.4 |
| E | | .4 | 1.1 | .5 | | | | | | | | 1.9 | 9.0 |
| ESE | | .1 | .3 | .8 | .1 | | | | | | | 1.7 | 10.7 |
| SE | | .2 | 1.6 | .3 | .1 | .1 | | | | | | 2.7 | 9.0 |
| SSE | | .5 | 1.3 | 1.1 | .1 | .1 | | | | | | 3.1 | 10.9 |
| S | .1 | .6 | 2.3 | 2.4 | 1.2 | .2 | | | | | | 6.8 | 12.3 |
| SSW | .1 | .5 | 2.5 | 1.5 | .2 | | | | | | | 4.3 | 10.0 |
| SW | | 1.3 | 3.7 | 4.2 | 2.4 | .1 | | | | | | 11.0 | 12.6 |
| WSW | .1 | 2.7 | 6.3 | 11.9 | 6.3 | .4 | | | | | | 28.3 | 12.9 |
| W | .2 | 1.3 | 3.4 | 3.5 | 1.8 | .5 | | | | | | 11.5 | 12.2 |
| WNW | .1 | .5 | .5 | .6 | .3 | | | | | | | 2.4 | 9.8 |
| NW | | .3 | .5 | .5 | .3 | | | | | | | 1.7 | 12.0 |
| NNW | | 1.0 | .2 | .5 | .1 | | | | | | | 1.5 | 8.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.2 | 13.9 | 32.8 | 34.8 | 13.8 | 1.5 | | | | | | 100.0 | 11.3 |

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
MET
AERIAL SERVICE/MAL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

731227
STATION

SAINTICAN NY

STATION NAME

74-93

YEARS

PAS
MONTH

ALL WEATHER
CLASS

1-00-2000
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 2.3 | 1.3 | 1.3 | | | | | | | | 5.5 | 7.9 |
| NNE | .1 | 1.4 | 2.5 | 1.7 | | | | | | | | 5.7 | 8.8 |
| NE | .1 | 1.2 | 1.3 | 1.1 | .5 | | | | | | | 4.6 | 9.5 |
| ENE | .1 | 2.3 | 1.4 | .2 | .1 | | | | | | | 4.1 | 7.0 |
| E | .3 | 2.6 | 1.5 | .2 | | | | | | | | 4.6 | 6.3 |
| ESE | | 1.2 | .5 | .2 | | | | | | | | 2.2 | 7.3 |
| SE | .2 | 1.1 | .5 | .2 | .3 | | | | | | | 2.3 | 8.2 |
| SSE | | 1.2 | .2 | .3 | .2 | .1 | | | | | | 2.0 | 8.9 |
| S | .3 | 4.8 | 3.7 | 1.8 | .6 | .1 | | | | | | 11.5 | 6.2 |
| SSW | .3 | 3.2 | 2.2 | .3 | .2 | | | | | | | 6.2 | 7.1 |
| SW | .4 | 2.5 | 5.4 | 3.5 | .8 | .3 | | | | | | 12.9 | 10.0 |
| WSW | .1 | 2.7 | 5.9 | 5.3 | 1.8 | | | | | | | 15.7 | 11.0 |
| W | | 1.1 | 1.6 | 3.2 | 3.2 | .3 | | | | | | 9.5 | 14.1 |
| WNW | .1 | .6 | .6 | .9 | | | | | | | | 2.3 | 9.5 |
| NW | .1 | .6 | .2 | .6 | | | | | | | | 1.6 | 8.2 |
| NNW | | .6 | .6 | .6 | .1 | | | | | | | 2.0 | 9.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.6 | |
| | 2.5 | 29.2 | 30.2 | 21.6 | 8.0 | .9 | | | | | | 100.0 | 8.7 |

TOTAL NUMBER OF OBSERVATIONS

930

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10227 STATION NAME WATERLOO, NY YEARS 74-83 MAP MONTH
CLASS ALL WEATHER 1000-2300
CONDITION HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | 2.3 | .5 | 1.2 | .1 | | | | | | | 4.5 | 7.7 |
| NNE | .1 | 1.6 | 2.7 | .5 | | | | | | | | 4.3 | 7.7 |
| NE | .2 | 1.9 | 2.7 | .6 | .9 | | | | | | | 5.7 | 8.9 |
| ENE | .1 | 3.1 | 2.7 | .4 | | | | | | | | 6.1 | 6.6 |
| E | .3 | 4.7 | 1.3 | .1 | | | | | | | | 5.7 | 5.6 |
| ESE | | 1.5 | .6 | | | | | | | | | 2.2 | 5.9 |
| SE | .4 | .5 | .2 | .4 | | | | | | | | 1.7 | 6.9 |
| SSE | .2 | 1.7 | 1.5 | .5 | | | | | | | | 4.0 | 7.4 |
| S | .5 | 4.4 | 3.5 | 4.4 | 1.2 | .1 | | | | | | 14.3 | 9.7 |
| SSW | .5 | 3.7 | .9 | .6 | .3 | | | | | | | 5.5 | 6.8 |
| SW | .1 | 1.5 | 3.9 | 2.5 | 1.1 | | | | | | | 9.0 | 10.8 |
| WSW | .1 | 1.5 | 3.3 | 3.2 | .5 | .4 | | | | | | 7.1 | 10.8 |
| W | | .6 | 2.5 | 4.5 | 2.8 | .3 | | | | | | 10.8 | 14.0 |
| WNW | | .4 | .1 | 1.1 | .2 | | | | | | | 1.6 | 12.1 |
| NW | | 1.7 | 1.5 | .4 | | | | | | | | 2.9 | 8.2 |
| NNW | | 1.1 | 1.5 | .4 | | | | | | | | 3.0 | 8.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.9 | |
| | 3.4 | 31.0 | 27.5 | 21.1 | 7.1 | .9 | | | | | | 100.0 | 8.4 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 AFM STAC
 AIRCRAFT SERVICE ZMAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0227 STATION NAME AIENTON, NY YEARS 74-83

CLASS ALL WEATHER

CONDITION

VAR MONTH ALL HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.4 | 2.1 | 1.4 | .2 | | | | | | | 5.6 | 8.7 |
| NNE | .1 | 1.0 | 1.5 | 1.2 | .1 | | | | | | | 4.1 | 9.0 |
| NE | .1 | 1.6 | 2.6 | 1.5 | .4 | .2 | | | | | | 4.2 | 9.3 |
| ENE | .2 | 2.7 | 2.6 | .9 | .2 | | | | | | | 6.7 | 7.8 |
| E | .3 | 3.0 | 1.1 | .2 | | | | | | | | 4.6 | 6.1 |
| ESE | .1 | .9 | .5 | .3 | .0 | | | | | | | 1.7 | 7.2 |
| SE | .1 | .7 | .7 | .4 | .1 | .2 | | | | | | .1 | 6.5 |
| SSE | .1 | 1.0 | 1.1 | .8 | .2 | .0 | | | | | | 3.2 | 9.3 |
| S | .4 | 2.9 | 3.5 | 3.5 | 1.5 | .2 | | | | | | 11.6 | 10.5 |
| SSW | .2 | 1.3 | 1.7 | 1.2 | .3 | | | | | | | 5.2 | 6.7 |
| SW | .2 | 1.7 | 3.0 | 2.8 | 1.3 | .1 | | | | | | 9.3 | 11.1 |
| WSW | .1 | 2.0 | 4.2 | 5.5 | 2.2 | .3 | | | | | | 14.3 | 11.8 |
| W | .1 | 1.3 | 2.8 | 3.9 | 2.3 | .2 | | | | | | 10.6 | 12.5 |
| WNW | .1 | .6 | 1.0 | 1.3 | .3 | .0 | | | | | | 3.3 | 10.7 |
| NW | .1 | .6 | .3 | .7 | .1 | | | | | | | 2.5 | 9.4 |
| NNW | .1 | .8 | .8 | 1.0 | .1 | | | | | | | 2.6 | 9.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.3 | |
| | 2.5 | 24.2 | 30.4 | 26.6 | 9.1 | .8 | | | | | | 100.0 | 9.4 |

TOTAL NUMBER OF OBSERVATIONS 7434

U.S. AIR FORCE
 AIRCRAFT
 WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 STATION NAME AIRPORT, NY YEARS 74-83 MONTH APR
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-2400
 CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | 2.7 | 1.9 | | | | | | | | 5.3 | 9.4 |
| NNE | | | 1.2 | .7 | | | | | | | | 2.7 | 8.6 |
| NE | | 1.3 | 1.1 | .8 | .3 | | | | | | | 3.9 | 6.7 |
| ENE | .7 | 3.7 | 2.1 | 1.0 | .3 | | | | | | | 7.5 | 7.6 |
| E | .5 | 4.3 | 2.1 | | | | | | | | | 6.7 | 5.6 |
| ESE | .2 | 1.3 | .7 | .2 | .1 | | | | | | | 2.6 | 7.1 |
| SE | | .2 | .2 | .2 | .2 | | | | | | | 1.4 | 9.3 |
| SSE | .7 | 1.4 | 1.1 | 1.2 | .6 | | | | | | | 4.8 | 8.7 |
| S | .4 | 5.7 | 3.9 | 2.0 | .6 | | | | | | | 12.8 | 7.8 |
| SSW | .4 | 2.9 | 2.5 | .7 | .1 | | | | | | | 6.7 | 7.3 |
| SW | .1 | 3.1 | 2.2 | 2.2 | 1.1 | .2 | | | | | | 10.0 | 10.1 |
| WSW | | 2.3 | 2.1 | 2.1 | .2 | .3 | .1 | | | | | 7.1 | 10.0 |
| W | .7 | 1.3 | 2.1 | 2.4 | 1.0 | .2 | | | | | | 7.3 | 11.3 |
| WNW | | .4 | 1.3 | .6 | .1 | | | | | | | 2.4 | 9.2 |
| NW | | .3 | .4 | .4 | .3 | | | | | | | 2.0 | 9.9 |
| NNW | | .4 | .2 | .2 | .1 | | | | | | | 1.7 | 9.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.0 | |
| | 2.3 | 31.7 | 28.3 | 16.1 | 5.1 | .8 | .1 | | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 896

CLIMATE CLIMATOLOGY BRANCH
 100-100
 AIR WEATHER SERVICE MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

227 STATION APTERIOLE NY STATION NAME 74-23 YEARS 466 MONTH

ALL WEATHER
 CLASS

12-2500
 HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.1 | 3.1 | 1.3 | .3 | | | | | | | 5.4 | 9.2 |
| NNE | | 1.0 | 1.7 | .6 | | | | | | | | 3.2 | 8.3 |
| NE | .2 | 1.7 | 2.2 | 1.3 | .4 | | | | | | | 5.9 | 9.2 |
| ENE | .1 | 3.1 | 2.7 | .4 | | | | | | | | 5.6 | 6.8 |
| E | .3 | 5.7 | 1.2 | .1 | | | | | | | | 6.7 | 5.6 |
| ESE | .1 | 1.3 | .5 | .2 | | | | | | | | 2.2 | 6.5 |
| SE | .1 | .1 | .4 | .3 | | | | | | | | 1.0 | 9.6 |
| SSE | .4 | .6 | .3 | .8 | .3 | | | | | | | 2.5 | 9.6 |
| S | .7 | 6.6 | 5.7 | 3.5 | .7 | | | | | | | 16.3 | 8.3 |
| SSW | .1 | 2.9 | 2.5 | .4 | .2 | .1 | | | | | | 5.2 | 7.8 |
| SW | | 3.0 | 3.3 | 2.9 | .6 | .4 | | | | | | 1.3 | 10.2 |
| WSW | .1 | .9 | 2.8 | 1.9 | .4 | | .1 | | | | | 6.1 | 10.7 |
| W | | .9 | 2.2 | 1.8 | .1 | | | | | | | 5.0 | 9.6 |
| WNW | .1 | .4 | .6 | .9 | .1 | .1 | | | | | | 2.2 | 11.0 |
| NW | .1 | .3 | .2 | .3 | .4 | | | | | | | 1.4 | 10.7 |
| NNW | | 1.2 | 1.4 | .7 | | | | | | | | 3.3 | 8.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.7 | |
| | 2.7 | 30.1 | 29.7 | 17.4 | 3.7 | .7 | .1 | | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 897

CLIMATE CLIMATOLOGY BRANCH
 AFM/TAC
 AIRCRAFT SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1027 AIRPORT NY STATION NAME 74-83 YEARS APR MONTH 1960-060 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 1.2 | 1.2 | 2.7 | .4 | | | | | | | 6.2 | 10.5 |
| NNE | .1 | .6 | 1.5 | 1.1 | | | | | | | | 3.7 | 6.8 |
| NE | | 1.2 | 2.7 | 1.3 | .1 | .1 | | | | | | 5.5 | 9.4 |
| ENE | .1 | 2.5 | 2.9 | 1.6 | .6 | | | | | | | 7.6 | 8.9 |
| E | .3 | 2.9 | .2 | .1 | .1 | | | | | | | 3.7 | 5.5 |
| ESE | | .4 | .1 | .6 | | | | | | | | 1.1 | 9.3 |
| SE | .1 | .3 | .3 | .7 | | | | | | | | 1.4 | 8.9 |
| SSE | .1 | .7 | .3 | 1.6 | .4 | .1 | | | | | | 3.3 | 11.6 |
| S | | 5.2 | 5.4 | 2.9 | 1.0 | | | | | | | 15.2 | 8.8 |
| SSW | .1 | 3.3 | 3.5 | 1.1 | .3 | | | | | | | 8.4 | 8.1 |
| SW | | 1.9 | 4.7 | 2.9 | .9 | .6 | | | | | | 10.3 | 11.3 |
| WSW | | 1.2 | 2.1 | 2.0 | .6 | .6 | .1 | | | | | 6.6 | 11.9 |
| W | .1 | 1.1 | 1.3 | 2.9 | .3 | .1 | | | | | | 6.4 | 10.9 |
| WNW | | .3 | .2 | .9 | .7 | | | | | | | 2.8 | 11.8 |
| NW | .1 | .7 | 1.2 | 1.2 | | | | | | | | 4.2 | 9.7 |
| NNW | .1 | .3 | 1.2 | 1.4 | .1 | | | | | | | 3.2 | 10.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.0 | |
| | 1.7 | 24.7 | 30.4 | 25.0 | 5.6 | 1.4 | .1 | | | | | 100.0 | 8.7 |

TOTAL NUMBER OF OBSERVATIONS 827

CLIMATE BUREAU
 STATION
 WEATHER SERVICE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 027 AIRPORT NY STATION NAME: 74-03 YEARS: APR MONTH: 1950-1951 HOURS (L.S.T.):

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------|
| N | | 1.1 | 2.2 | 3.4 | .4 | | | | | | | 2.2 | 10.0 |
| NNE | | | 1.4 | 1.7 | .7 | .1 | | | | | | 4.5 | 10.2 |
| NE | | | 2.1 | 1.9 | .4 | | | | | | | 2.2 | 10.4 |
| ENE | | 1.1 | 2.1 | 1.6 | .2 | | | | | | | 2.5 | 9.7 |
| E | | 1.2 | 1.1 | .3 | | | | | | | | 2.7 | 7.8 |
| ESE | | | | | | | | | | | | 1.2 | 6.1 |
| SE | | | .7 | .6 | | | | | | | | 1.6 | 9.3 |
| SSE | | | .4 | 1.2 | 1.2 | .4 | .1 | | | | | 3.4 | 15.9 |
| S | | | 2.7 | .9 | 1.1 | .3 | | | | | | 5.5 | 12.2 |
| SSW | | | 1.2 | 2.7 | .6 | | | | | | | 5.6 | 11.6 |
| SW | | | 4.7 | 5.1 | 1.9 | .7 | .3 | | | | | 13.1 | 13.2 |
| WSW | | | 3.1 | 1.3 | 1.4 | .6 | | | | | | 17.6 | 11.2 |
| W | | 1.7 | 4.9 | 5.1 | .6 | .2 | | | | | | 15.5 | 10.2 |
| WNW | | | 1.7 | 1.2 | .2 | .1 | | | | | | 3.0 | 11.1 |
| NW | | | | 1.9 | .3 | | | | | | | 2.5 | 11.0 |
| NNW | | | 1.7 | .2 | | | | | | | | 4.4 | 15.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | | 12.7 | 36.4 | 36.6 | 9.1 | 2.4 | .4 | | | | | 10.0 | 11.2 |

TOTAL NUMBER OF OBSERVATIONS 899

1. AL CLIMATOLOGY BRANCH
AFCLTAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 027 STATION NAME ALLIANTON, MD 74-63 YEARS APR MONTH 1-7-1974
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------|
| N | | | 2.2 | 1.2 | .3 | | | | | | | 3.7 | 10.6 |
| NNE | .1 | .3 | 1.2 | 2.6 | 1.1 | | | | | | | 3.2 | 12.7 |
| NE | | .2 | 1.2 | 2.7 | .1 | | | | | | | 4.1 | 11.7 |
| ENE | | .1 | 1.3 | 1.2 | .1 | | | | | | | 2.8 | 11.1 |
| E | | .3 | .5 | .8 | | | | | | | | 1.7 | 10.1 |
| ESE | | .4 | .5 | .1 | | | | | | | | 1.1 | 7.4 |
| SE | | .1 | .3 | .4 | | | | | | | | 1.3 | 10.2 |
| SSE | .1 | .1 | .2 | .7 | .6 | .1 | | | | | | 1.6 | 14.5 |
| S | | .4 | 2.3 | 3.1 | 1.0 | | | | | | | 6.9 | 12.3 |
| SSW | | .2 | 1.2 | 2.0 | .1 | .1 | .1 | | | | | 3.7 | 12.7 |
| SW | | .2 | 2.1 | 5.9 | 3.2 | .3 | | | | | | 12.6 | 13.2 |
| WSW | .1 | .4 | 7.1 | 15.3 | 5.1 | .3 | .1 | | | | | 26.4 | 13.2 |
| W | | 1.2 | 4.3 | 5.6 | 1.0 | .1 | | | | | | 12.7 | 11.4 |
| WNW | | .2 | 1.5 | 1.7 | .2 | .1 | | | | | | 4.3 | 11.2 |
| NW | | .2 | 1.1 | 1.6 | .3 | | | | | | | 3.4 | 11.3 |
| NNW | | .4 | 1.3 | 1.3 | .2 | | | | | | | 3.3 | 11.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | .3 | 6.7 | 30.3 | 47.1 | 13.3 | 1.1 | .2 | | | | | 11.0 | 12.2 |

TOTAL NUMBER OF OBSERVATIONS 926

U.S. AIR FORCE
CLIMATE DIVISION
METEOROLOGICAL SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0227 STATION NAME ALBERTON, NY YEARS 74-83
CLASS ALL WEATHER
CONDITION
APR MONTH
1980-1983
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | .7 | 2.3 | 2.4 | .4 | | | | | | | 5.9 | 11.1 |
| NNE | | .2 | 1.6 | 1.4 | .3 | | | | | | | 3.6 | 11.4 |
| NE | | .2 | 1.5 | 2.7 | .1 | | | | | | | 4.6 | 11.9 |
| ENE | | .6 | .8 | .7 | .2 | | | | | | | 2.2 | 10.1 |
| E | .1 | .3 | 1.7 | .3 | | | | | | | | 1.6 | 8.4 |
| ESE | | .1 | .4 | .3 | | | | | | | | .9 | 9.5 |
| SE | | .1 | 1.7 | .6 | .1 | | | | | | | 1.5 | 10.3 |
| SSE | | .1 | .4 | 1.2 | .2 | .1 | | | | | | 2.1 | 13.2 |
| S | .1 | .6 | 1.4 | 2.2 | .4 | | | | | | | 4.8 | 11.5 |
| SSW | | .2 | 1.7 | .9 | .1 | | | | | | | 2.9 | 10.1 |
| SW | | .3 | 4.3 | 5.9 | 2.3 | .2 | | | | | | 16.6 | 12.6 |
| WSW | .1 | 1.9 | 10.3 | 17.6 | 3.3 | .6 | | | | | | 33.6 | 12.2 |
| W | .7 | .7 | 3.2 | 4.7 | 1.0 | .1 | | | | | | 10.0 | 11.2 |
| WNW | | .4 | .2 | .7 | .3 | | | | | | | 2.3 | 11.1 |
| NW | | | 1.1 | 1.0 | .1 | | | | | | | 2.2 | 11.6 |
| NNW | .7 | .2 | 1.3 | 1.2 | .3 | | | | | | | 3.3 | 10.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | .3 | 7.1 | 33.7 | 46.8 | 9.4 | 1.0 | | | | | | 100.0 | 11.0 |

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 STATION NAME ALBANY, NY YEARS 74-83 MONTH APR
 CLASS ALL WEATHER
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.5 | 3.5 | 1.9 | .1 | | | | | | | 7.0 | 8.9 |
| NNE | | .9 | .8 | .8 | | | | | | | | 2.3 | 8.9 |
| NE | | .7 | 2.8 | 2.0 | | | | | | | | 5.4 | 9.7 |
| ENE | .1 | .4 | 1.4 | 1.1 | .1 | | | | | | | 3.2 | 10.3 |
| E | | 1.5 | 1.1 | .2 | | | | | | | | 3.1 | 7.3 |
| ESE | | .9 | .8 | .3 | | | | | | | | 2.0 | 7.6 |
| SE | | 1.0 | .4 | .6 | .1 | | | | | | | 2.1 | 8.4 |
| SSE | | .4 | 1.1 | .4 | .2 | .1 | | | | | | 2.3 | 10.3 |
| S | .5 | 4.7 | 2.7 | 1.7 | .3 | .1 | | | | | | 15.0 | 7.7 |
| SSW | .2 | 4.1 | 3.2 | .3 | | | | | | | | 7.9 | 6.7 |
| SW | | 4.2 | 7.1 | 5.7 | .8 | | | | | | | 17.8 | 9.7 |
| WSW | .2 | 3.6 | 5.9 | 6.2 | 2.4 | .2 | | | | | | 18.6 | 11.3 |
| W | | .9 | 1.7 | 1.0 | 1.3 | | | | | | | 4.9 | 11.9 |
| WNW | .1 | .2 | .7 | .4 | .1 | | | | | | | 1.6 | 9.9 |
| NW | | .1 | .6 | .7 | .1 | | | | | | | 1.4 | 11.6 |
| NNW | | .2 | .7 | .8 | | | | | | | | 1.7 | 10.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.7 | |
| | 1.2 | 25.8 | 34.1 | 24.1 | 5.7 | .4 | | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS 900

LOCAL CLIMATOLOGY BRANCH
 - LTAC
 AIRCRAFT SERVICE/ZNAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1227 STATION NAME ALERTOWN NY YEARS 74-83 APR MONTH 2100-2300
 CLASS ALL WEATHER
 CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.4 | 1.2 | 1.6 | .2 | | | | | | | 4.8 | 9.1 |
| NNE | | 1.0 | .7 | 1.2 | | | | | | | | 2.9 | 9.2 |
| NE | | .7 | 2.8 | 1.6 | .3 | | | | | | | 5.1 | 10.4 |
| ENE | | 2.1 | 3.7 | .9 | | | | | | | | 6.7 | 7.4 |
| E | .2 | 3.9 | 1.3 | | | | | | | | | 5.4 | 5.7 |
| ESE | .1 | 1.7 | .6 | | | | | | | | | 2.3 | 5.6 |
| SE | .1 | 1.7 | .7 | .4 | | | | | | | | 2.9 | 6.7 |
| SSE | .3 | 2.0 | .6 | 1.0 | .9 | .1 | | | | | | 4.9 | 10.0 |
| S | .4 | 8.0 | 3.1 | 2.2 | .6 | .1 | | | | | | 14.8 | 7.5 |
| SSW | .7 | 3.4 | 1.8 | .6 | | | | | | | | 6.4 | 6.6 |
| SW | .2 | 2.1 | 5.7 | 1.9 | .8 | .1 | | | | | | 10.1 | 9.7 |
| WSW | .3 | 1.3 | 3.2 | 3.4 | .7 | .2 | | | | | | 9.2 | 10.8 |
| W | .9 | 2.7 | 2.7 | 1.1 | | | | | | | | 6.7 | 11.6 |
| WNW | .1 | .4 | .5 | .3 | | | | | | | | 1.8 | 7.9 |
| NW | .1 | .7 | .7 | .7 | .3 | | | | | | | 2.4 | 10.1 |
| NNW | | .6 | .4 | .2 | .2 | | | | | | | 1.4 | 9.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.6 | |
| | 7.6 | 31.9 | 27.7 | 18.7 | 5.1 | .8 | | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 930

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 725227 STATION NAME LA FORTUNE NY YEARS 74-83 APP
MONTH
ALL WEATHER CLASS ALL
CONDITION HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.1 | 2.5 | 2.2 | .3 | | | | | | | 6.1 | 10.0 |
| NNE | .1 | .7 | 1.3 | 1.3 | .3 | .0 | | | | | | 3.6 | 10.1 |
| NE | .1 | .9 | 2.1 | 1.7 | .2 | .0 | | | | | | 5.0 | 10.1 |
| ENE | .1 | 1.7 | 1.9 | 1.1 | .2 | | | | | | | 5.0 | 8.5 |
| E | .1 | 2.5 | 1.1 | .2 | .0 | | | | | | | 4.0 | 6.3 |
| ESE | .1 | .9 | .6 | .3 | .0 | | | | | | | 1.7 | 7.2 |
| SE | .1 | .6 | .6 | .5 | .1 | | | | | | | 1.7 | 6.8 |
| SSE | .2 | .7 | .6 | 1.0 | .5 | .1 | .0 | | | | | 3.2 | 11.3 |
| S | .3 | 4.1 | 3.3 | 2.7 | .7 | .1 | | | | | | 11.2 | 9.0 |
| SSW | .1 | 2.2 | 2.2 | 1.1 | .2 | .0 | .0 | | | | | 6.0 | 8.4 |
| SW | .1 | 2.2 | 4.3 | 4.4 | 1.4 | .3 | .0 | | | | | 12.6 | 11.4 |
| WSW | .1 | 1.7 | 5.2 | 6.8 | 1.8 | .3 | .1 | | | | | 15.9 | 11.8 |
| W | .1 | 1.1 | 2.3 | 3.0 | .8 | .1 | | | | | | 7.9 | 11.1 |
| WNW | .1 | .4 | 1.7 | .8 | .2 | .0 | | | | | | 2.6 | 10.6 |
| NW | .1 | .4 | .8 | 1.0 | .3 | | | | | | | 2.5 | 10.9 |
| NNW | .0 | .5 | 1.1 | 1.0 | .1 | | | | | | | 2.8 | 10.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.3 | |
| | 1.7 | 21.3 | 31.3 | 29.0 | 7.1 | 1.1 | .1 | | | | | 100.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 7191

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE ZNAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74-227 STATION 74-83 MAY
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
0000-2400
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.2 | 1.2 | .4 | .1 | .1 | | | | | | 3.7 | 8.4 |
| NNE | .1 | 1.7 | .8 | | .1 | | | | | | | 2.6 | 6.2 |
| NE | .4 | 1.2 | 1.2 | .5 | | .1 | | | | | | 3.1 | 7.8 |
| ENE | .1 | 4.9 | 1.2 | 1.7 | .1 | | | | | | | 7.3 | 6.8 |
| E | .6 | 5.8 | 1.2 | .1 | | | | | | | | 7.7 | 5.3 |
| ESE | .2 | .7 | .1 | .2 | | | | | | | | 1.3 | 6.8 |
| SE | .3 | 1.1 | | .2 | | | | | | | | 1.6 | 5.5 |
| SSE | .3 | 1.2 | 1.1 | .5 | .1 | | | | | | | 3.1 | 7.5 |
| S | 1.2 | 7.3 | 4.9 | 2.4 | .4 | | | | | | | 16.0 | 7.4 |
| SSW | .6 | 6.1 | 4.1 | 1.0 | .1 | | | | | | | 11.9 | 6.9 |
| SW | .2 | 3.7 | 3.5 | 1.6 | .1 | | | | | | | 9.3 | 8.0 |
| WSW | .1 | 2.2 | 1.7 | 1.1 | .2 | | | | | | | 4.2 | 8.5 |
| W | | .2 | .2 | .8 | .2 | | | | | | | 1.6 | 12.1 |
| WNW | | .5 | .4 | .2 | | | | | | | | 1.1 | 8.3 |
| NW | .1 | .2 | .1 | | .1 | | | | | | | .6 | 8.2 |
| NNW | | .4 | .1 | | | | | | | | | .5 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.2 | |
| | 4.0 | 39.1 | 21.8 | 10.0 | 1.7 | .2 | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS 831

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 171227 ALBERTA, NY STATION NAME 74-83 YEARS MAY
MONTH
CLASS ALL WEATHER
HOURS (L.S.T.) 0300-0500
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | 1.3 | 1.7 | .5 | | | | | | | | 3.6 | 7.2 |
| NNE | .2 | 1.0 | .7 | | .2 | | | | | | | 2.8 | 7.1 |
| NE | .1 | 1.3 | 1.3 | .1 | .1 | | | | | | | 2.9 | 7.0 |
| ENE | .5 | 5.9 | 1.4 | .6 | .2 | | | | | | | 8.7 | 6.3 |
| E | 1.1 | 6.7 | .3 | .2 | | | | | | | | 10.3 | 4.8 |
| ESE | .7 | 1.3 | .1 | .2 | | | | | | | | 2.3 | 5.2 |
| SE | .3 | 1.2 | .3 | | | | | | | | | 1.9 | 4.8 |
| SSE | .1 | 1.6 | 1.2 | 1.0 | | | | | | | | 4.0 | 7.9 |
| S | .3 | 7.0 | 4.4 | 2.4 | .5 | | | | | | | 14.6 | 7.7 |
| SSW | .5 | 4.3 | 3.0 | .3 | .1 | | | | | | | 8.3 | 6.7 |
| SW | .1 | 3.4 | 3.1 | 1.4 | .3 | | | | | | | 8.4 | 8.2 |
| WSW | .3 | 2.3 | .6 | 1.7 | .1 | | | | | | | 5.1 | 8.4 |
| W | .1 | .3 | .2 | .9 | .2 | | | | | | | 1.9 | 11.4 |
| WNW | | .2 | .3 | .1 | | | | | | | | 1.2 | 8.6 |
| NW | | | .6 | | | | | | | | | .6 | 8.8 |
| NNW | .1 | | .1 | .1 | | | | | | | | .3 | 8.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 22.0 | |
| | 5.1 | 40.5 | 20.0 | 9.8 | 1.9 | | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS 860

NAVAL CLIMATOLOGY BRANCH
NAFETAC
ATLANTIC FLEET SERVICE/NAAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74-63 STATION NAME ALL WEATHER CLASS MAY 1960-1960 HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 1.2 | 1.3 | 1.4 | .2 | | | | | | | 4.0 | 9.3 |
| NNE | .1 | 1.2 | 1.4 | 1.0 | | | | | | | | 3.7 | 8.5 |
| NE | .1 | 3.0 | 2.7 | .8 | .3 | | | | | | | 7.3 | 7.6 |
| ENE | .1 | 4.0 | 1.5 | .8 | .1 | | | | | | | 6.9 | 6.8 |
| E | .1 | 2.7 | .9 | .1 | | | | | | | | 4.3 | 5.1 |
| ESE | .3 | .9 | .4 | | .1 | | | | | | | 1.7 | 5.9 |
| SE | .1 | .4 | 1.7 | .5 | | | | | | | | 2.0 | 9.3 |
| SSE | .1 | .3 | 1.3 | 1.4 | .1 | | | | | | | 3.7 | 10.0 |
| S | | 3.2 | 5.4 | 3.0 | .3 | | | | | | | 12.6 | 9.1 |
| SSW | .3 | 4.0 | 5.3 | 1.3 | .1 | | | | | | | 11.6 | 7.8 |
| SW | .1 | 2.9 | 4.2 | 4.1 | .8 | | | | | | | 12.1 | 9.8 |
| WSW | .1 | 1.7 | 1.9 | 1.9 | .6 | | | | | | | 6.4 | 10.1 |
| W | .1 | 1.2 | 1.1 | .5 | | | | | | | | 2.9 | 7.4 |
| WNW | .1 | .3 | .3 | .3 | | | | | | | | 1.5 | 8.6 |
| NW | .1 | .3 | 1.7 | .2 | | | | | | | | 1.8 | 7.5 |
| NNW | .1 | .1 | .4 | | | | | | | | | .6 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.6 | |
| | 9.1 | 28.4 | 31.6 | 17.4 | 2.7 | | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 927

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14-227 STATION NAME CATERHAM NY YEARS 74-83 MONTH MAY
CLASS ALL WEATHER 1900-1900
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 2.4 | 3.5 | 2.3 | .2 | | | | | | | 6.4 | 9.1 |
| NNE | .1 | 1.1 | 1.3 | 1.9 | .2 | | | | | | | 5.3 | 10.0 |
| NE | .1 | 1.2 | 1.2 | 2.3 | .5 | | | | | | | 5.3 | 10.5 |
| ENE | | 1.3 | 1.6 | .8 | | | | | | | | 3.7 | 8.1 |
| E | .1 | 1.3 | .5 | .4 | | | | | | | | 2.4 | 6.9 |
| ESE | | .2 | .5 | .3 | .1 | | | | | | | 1.2 | 10.4 |
| SE | | .4 | 1.2 | .2 | | | | | | | | 1.6 | 8.3 |
| SSE | | .2 | 1.2 | 1.2 | .9 | | | | | | | 3.4 | 12.8 |
| S | | .9 | 3.3 | 4.9 | .3 | | | | | | | 9.4 | 11.1 |
| SSW | | .9 | 3.1 | 2.6 | .1 | | | | | | | 6.7 | 10.4 |
| SW | .2 | 1.4 | 6.6 | 7.3 | 1.1 | | | | | | | 16.6 | 11.2 |
| WSW | | 2.3 | 5.4 | 5.2 | 1.2 | | | | | | | 13.8 | 10.9 |
| W | .1 | 2.7 | 5.4 | 3.1 | .3 | | | | | | | 11.6 | 9.3 |
| WNW | .1 | .8 | 1.7 | .4 | | | | | | | | 2.3 | 7.8 |
| NW | | 1.1 | .9 | .4 | | | | | | | | 2.3 | 8.0 |
| NNW | .2 | 1.1 | .3 | .4 | | | | | | | | 2.5 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.0 | |
| | 1.7 | 18.7 | 37.8 | 33.8 | 4.9 | | | | | | | 100.0 | 9.7 |

TOTAL NUMBER OF OBSERVATIONS 930

AL CLIMATOLOGY BRANCH
 AFETAC
 AIRCRAFT SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-0227 STATION AIRPORT NY STATION NAME 74-63 YEARS MAY MONTH
 ALL WEATHER CLASS 1000-1400 HOURS (L.S.T.)
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.4 | 3.3 | 2.0 | .2 | | | | | | | 7.0 | 9.8 |
| NNE | | .5 | 2.0 | 2.0 | .2 | | | | | | | 4.6 | 10.6 |
| NE | .1 | .3 | 1.7 | 1.7 | .4 | | | | | | | 3.5 | 11.1 |
| ENE | | .2 | .3 | .2 | | | | | | | | .9 | 7.6 |
| E | | .2 | .8 | .2 | | | | | | | | 1.5 | 8.0 |
| ESE | | .3 | .5 | .4 | | | | | | | | 1.3 | 9.4 |
| SE | | .4 | 1.1 | .2 | | | | | | | | 1.6 | 8.5 |
| SSE | | .4 | .9 | .8 | .3 | | | | | | | 2.4 | 11.4 |
| S | | .9 | 2.7 | 3.8 | .6 | | | | | | | 7.3 | 11.7 |
| SSW | | .3 | .6 | 2.5 | | | | | | | | 3.4 | 11.4 |
| SW | | .9 | 4.7 | 9.6 | .6 | | | | | | | 15.8 | 11.8 |
| WSW | | .8 | 12.5 | 13.7 | 2.0 | .3 | | | | | | 27.3 | 12.0 |
| W | | 1.5 | 8.6 | 4.3 | .2 | | | | | | | 14.6 | 9.8 |
| WNW | | .5 | 1.7 | .8 | .1 | | | | | | | 2.4 | 9.9 |
| NW | | .5 | .4 | .6 | | | | | | | | 1.6 | 9.1 |
| NNW | | .3 | 1.1 | .6 | .1 | | | | | | | 2.6 | 9.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.9 | |
| | .1 | 10.4 | 38.8 | 43.4 | 4.9 | .3 | | | | | | 100.0 | 10.7 |

TOTAL NUMBER OF OBSERVATIONS 930

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2227 WATERLOO, NY STATION NAME 74-53 YEARS 1960-1961 MAY MONTH
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.3 | 2.5 | 3.1 | .1 | | | | | | | 7.1 | 10.2 |
| NNE | | .9 | 1.8 | 1.8 | .1 | | | | | | | 4.6 | 9.8 |
| NE | | .6 | .2 | 1.1 | .5 | | | | | | | 2.6 | 11.4 |
| ENE | .1 | .9 | .2 | .2 | | | | | | | | 1.4 | 7.0 |
| E | | .2 | .4 | .8 | | | | | | | | 1.4 | 9.8 |
| ESE | | .2 | .5 | .1 | | | | | | | | .9 | 8.5 |
| SE | .1 | .3 | .8 | .4 | .2 | | | | | | | 1.8 | 10.0 |
| SSE | | .1 | .2 | .3 | .5 | | | | | | | 1.7 | 12.7 |
| S | .1 | 1.2 | 2.5 | 2.3 | .3 | .1 | | | | | | 6.5 | 10.7 |
| SSW | | .4 | 3.1 | 1.5 | .2 | | | | | | | 5.3 | 10.2 |
| SW | .1 | .9 | 5.6 | 6.7 | 1.1 | | | | | | | 14.3 | 11.4 |
| WSW | .3 | 3.5 | 10.6 | 12.9 | 2.4 | | | | | | | 29.8 | 11.1 |
| W | | 2.5 | 2.2 | 2.7 | .6 | .1 | | | | | | 14.1 | 9.4 |
| WNW | | .6 | .4 | .3 | .2 | | | | | | | 1.6 | 9.3 |
| NW | | .3 | .9 | .4 | | .2 | | | | | | 1.6 | 10.9 |
| NNW | | .4 | .9 | .9 | | | | | | | | 2.2 | 10.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.0 | |
| | .9 | 14.5 | 39.4 | 35.5 | 6.3 | .4 | | | | | | 100.0 | 10.2 |

TOTAL NUMBER OF OBSERVATIONS 932

CLIMATE CLIMATOLOGY BRANCH
 W. L. TAC
 AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74-83 SAITERTOWN NY STATION NAME 74-83 YEARS MAY
 CLASS ALL WEATHER MONTH MAY
 CONDITION 1800-2000
 HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.2 | 2.3 | 1.4 | .1 | | | | | | | 5.1 | 9.1 |
| NNE | | 1.2 | 1.5 | .3 | | | | | | | | 3.0 | 7.9 |
| NE | .1 | 1.1 | 2.7 | 1.3 | | | | | | | | 5.2 | 8.8 |
| ENE | .1 | 1.3 | 1.7 | .3 | | | | | | | | 2.7 | 6.8 |
| E | .1 | 2.5 | .2 | .4 | | | | | | | | 2.2 | 6.0 |
| ESE | .1 | 1.3 | .3 | .1 | | | | | | | | 2.3 | 6.4 |
| SE | .2 | 1.0 | 1.0 | .4 | .1 | | | | | | | 2.7 | 7.6 |
| SSE | .4 | .6 | .9 | 1.1 | .1 | | | | | | | 3.1 | 9.1 |
| S | 1.1 | 6.9 | 1.1 | 1.3 | .1 | | | | | | | 10.4 | 6.3 |
| SSW | .1 | 3.9 | 3.1 | .3 | .2 | | | | | | | 7.6 | 7.1 |
| SW | .2 | 4.3 | 7.6 | 4.4 | .6 | | | | | | | 17.7 | 9.2 |
| WSW | .5 | 4.7 | 6.6 | 3.3 | 1.4 | | | | | | | 18.7 | 9.3 |
| W | .3 | 2.3 | 1.6 | .9 | | | | | | | | 5.1 | 7.1 |
| WNW | .2 | 1.0 | .3 | | | | | | | | | 1.5 | 5.1 |
| NW | | .4 | .2 | | | | | | | | | .6 | 6.3 |
| NNW | .1 | .2 | .6 | | | | | | | | | 1.0 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.2 | |
| | 3.3 | 34.3 | 31.4 | 15.6 | 2.7 | | | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS 930

U.S. NAVAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 AIRFIELD NY STATION NAME 74-83 YEARS 1972-1973
DAY 1-2-2300
MONTH 1-2-2300
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | | 1.7 | 1.3 | .1 | | | | | | | | 2.1 | 6.7 |
| NNE | | .5 | .5 | | .1 | | | | | | | .9 | 6.4 |
| NE | | 1.2 | .5 | .7 | | | | | | | | .9 | 8.2 |
| ENE | | 2.3 | 2.8 | .6 | | | | | | | | .1 | 7.0 |
| E | .1 | 5.3 | 2.0 | .2 | | | | | | | | 7.6 | 5.7 |
| ESE | .1 | 2.6 | .1 | .1 | | | | | | | | .3 | 5.1 |
| SE | .3 | 2.1 | .3 | .6 | | | | | | | | .7 | 6.8 |
| SSE | .5 | 3.1 | 1.3 | .7 | .1 | | | | | | | .6 | 6.6 |
| S | 1.5 | 12.3 | 4.4 | 1.6 | .5 | | | | | | | 20.4 | 6.4 |
| SSW | | 4.5 | 2.5 | .7 | | | | | | | | 7.8 | 6.9 |
| SW | .2 | 3.7 | 2.8 | 2.2 | | | | | | | | .9 | 8.0 |
| WSW | .3 | 2.0 | 1.5 | 1.6 | .3 | | | | | | | .6 | 9.2 |
| W | .2 | .7 | .6 | .8 | | | | | | | | .3 | 8.1 |
| WNW | | .1 | .1 | | | | | | | | | .2 | 6.0 |
| NW | | .2 | .2 | | | | | | | | | .5 | 7.0 |
| NNW | .1 | .2 | .1 | | | | | | | | | .5 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 71.2 | |
| | 5.3 | 42.8 | 21.7 | 9.9 | 1.0 | | | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS 669

1. CLIMATE LOCATION
 2. DATE OF SERVICE YEAR

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74-23 STATION NAME ALL-WEATHER CLASS ALL MONTH MAY HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------|
| N | .1 | 1.5 | 2.3 | 1.4 | .1 | .0 | | | | | | 2.5 | 9.0 |
| NNE | .1 | 1.1 | 1.4 | .7 | .1 | | | | | | | 3.5 | 9.0 |
| NE | .1 | 1.2 | 1.4 | 1.1 | .2 | .3 | | | | | | 4.1 | 9.0 |
| ENE | .1 | 2.0 | 1.3 | .5 | .1 | | | | | | | 4.6 | 8.3 |
| E | .1 | 3.3 | .7 | .3 | | | | | | | | 4.7 | 5.7 |
| ESE | .1 | .7 | .4 | .2 | .3 | | | | | | | 1.7 | 6.7 |
| SE | .1 | .7 | .7 | .3 | .3 | | | | | | | .1 | 7.0 |
| SSE | .1 | 1.3 | 1.1 | .9 | .3 | | | | | | | 3.4 | 9.4 |
| S | .1 | 4.3 | 3.3 | 2.7 | .4 | .3 | | | | | | 1.0 | 8.3 |
| SSW | .1 | 3.1 | 3.2 | 1.3 | .1 | | | | | | | 7.9 | 8.0 |
| SW | .1 | 2.7 | 4.3 | 4.7 | .6 | | | | | | | 1.0 | 10.0 |
| WSW | .1 | 2.4 | 5.1 | 5.3 | 1.1 | .0 | | | | | | 14.0 | 10.6 |
| W | .1 | 1.3 | 3.3 | 1.8 | .2 | .3 | | | | | | 6.5 | 9.2 |
| WNW | .1 | .5 | .6 | .3 | .3 | | | | | | | 1.3 | 8.3 |
| NW | .1 | .4 | .5 | .3 | .3 | .3 | | | | | | 1.2 | 8.5 |
| NNW | .1 | .4 | .5 | .3 | .3 | | | | | | | 1.3 | 8.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.7 | |
| | 2.3 | 28.3 | 30.6 | 22.3 | 3.3 | .1 | | | | | | 10.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS 7207

CLIMATE BRANCH
AFMTC
AFMTC SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 247 ALBANY, NY STATION NAME 74-83 YEARS 1953 MONTH 10
CLASS ALL WEATHER HOURS (L.S.T.) 0000-2400
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.1 | .7 | | | | | | | | | 1.2 | 5.6 |
| NNE | | 1.1 | .7 | | | | | | | | | 1.2 | 6.5 |
| NE | | 1.5 | .7 | .4 | | | | | | | | 1.2 | 6.2 |
| ENE | | 2.7 | .9 | | | | | | | | | 2.0 | 5.4 |
| E | | 5.2 | .7 | | | | | | | | | 1.1 | 4.0 |
| ESE | | 1.1 | .4 | | | | | | | | | 1.2 | 5.1 |
| SE | | 4.2 | .4 | .1 | | | | | | | | 1.7 | 5.3 |
| SSE | | 3.2 | 2.1 | .5 | | | | | | | | 1.0 | 7.5 |
| S | | 11.0 | 7.5 | 3.1 | .1 | | | | | | | 22.4 | 7.1 |
| SSW | | 5.7 | 3.3 | .9 | | | | | | | | 1.1 | 6.4 |
| SW | | 4.1 | 2.1 | 1.7 | .1 | | | | | | | 1.4 | 7.6 |
| WSW | | 1.2 | 1.5 | .7 | .4 | | | | | | | 1.0 | 9.3 |
| W | | .7 | .7 | .6 | | | | | | | | 1.2 | 8.6 |
| WNW | | .7 | .5 | .4 | | | | | | | | 1.7 | 7.1 |
| NW | | .1 | .4 | .2 | | | | | | | | .7 | 6.2 |
| NNW | | | .1 | | | | | | | | | .1 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.1 | |
| | 3.2 | 42.4 | 21.7 | 4.4 | .6 | | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS 820

AL CLIMATOLOGY FORM
 AFSTAC
 AIR FORCE SERVICE/NAAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 127 STATION NAME ALBUQUERQUE YEARS 74-83 MONTH JULY
 CLASS ALL WEATHER
 HOURS (L.S.T.) 0700-0500
 CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.7 | .7 | .1 | .1 | | | | | | | 2.7 | 6.5 |
| NNE | .1 | 1.7 | .4 | .1 | | | | | | | | 2.3 | 5.5 |
| NE | | 1.3 | .4 | .5 | | | | | | | | 2.1 | 7.7 |
| ENE | | 4.3 | .7 | .1 | | | | | | | | 5.4 | 4.9 |
| E | | 5.1 | .4 | | | | | | | | | 6.6 | 4.6 |
| ESE | | 1.4 | .7 | .2 | | | | | | | | 2.7 | 5.6 |
| SE | | 1.8 | | | | | | | | | | 2.1 | 4.3 |
| SSE | | .3 | .5 | 1.3 | | | | | | | | 5.8 | 7.0 |
| S | .2 | 10.1 | 5.7 | 2.9 | .1 | | | | | | | 19.9 | 7.1 |
| SSW | 1.7 | .3 | 3.7 | .8 | | | | | | | | 12.7 | 6.6 |
| SW | .3 | 3.0 | 2.6 | 1.4 | | | | | | | | 7.5 | 7.1 |
| WSW | .4 | 1.0 | 1.3 | 1.2 | | | | | | | | 4.7 | 8.1 |
| W | | 1.2 | 1.1 | | | | | | | | | 2.3 | 6.7 |
| WNW | .3 | .7 | .5 | | | | | | | | | 1.4 | 5.9 |
| NW | | .2 | .5 | .4 | | | | | | | | 1.1 | 6.3 |
| NNW | | .1 | .2 | | | | | | | | | .4 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.2 | |
| | 5.7 | 43.8 | 19.7 | 9.1 | .2 | | | | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS 638

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 STATION NAME WATERLOO, NY YEARS 74-83 MONTH JUN
CLASS ALL WEATHER
CONDITION 0600-0800
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | 1.5 | 2.1 | .6 | | | | | | | | 4.9 | 7.3 |
| NNE | .7 | .4 | 1.6 | .7 | .1 | | | | | | | 2.0 | 6.9 |
| NE | .4 | 1.4 | 2.5 | .8 | | | | | | | | 2.2 | 7.7 |
| ENE | .3 | 2.5 | 2.7 | .1 | | | | | | | | 2.2 | 6.3 |
| E | .3 | 2.9 | .6 | .1 | | | | | | | | 3.5 | 5.1 |
| ESE | .3 | .4 | .2 | .1 | | | | | | | | 1.3 | 5.3 |
| SE | .1 | .6 | .6 | .1 | | | | | | | | 1.3 | 6.8 |
| SSE | .1 | .7 | 2.1 | .6 | .1 | | | | | | | 3.6 | 8.6 |
| S | .4 | 7.2 | 6.7 | 3.9 | | | | | | | | 12.2 | 6.1 |
| SSW | .1 | 4.4 | 5.4 | 1.7 | .1 | | | | | | | 11.9 | 7.8 |
| SW | .1 | 2.3 | 6.9 | 2.3 | | | | | | | | 11.7 | 8.7 |
| WSW | .1 | 2.2 | 4.3 | 1.6 | .2 | | | | | | | 2.6 | 6.7 |
| W | .1 | 1.7 | 1.1 | .3 | | | | | | | | 3.2 | 6.7 |
| WNW | | .7 | .7 | .8 | | | | | | | | 2.1 | 8.5 |
| NW | | .7 | .1 | | | | | | | | | .2 | 5.4 |
| NNW | .1 | .4 | .2 | | | | | | | | | .8 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.3 | |
| | 3.4 | 30.7 | 37.1 | 13.6 | .6 | | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 900

NATIONAL CLIMATOLOGY BRANCH
WATETA
AIR WEATHER SERVICE / MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2227 WATERTOWN NY STATION NAME 74-93 YEARS JUN MONTH
CLASS ALL WEATHER 1960-1960 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .7 | 1.3 | 1.2 | | | | | | | | 3.9 | 9.2 |
| NNE | .1 | 1.2 | 2.2 | .6 | .1 | | | | | | | 4.2 | 8.6 |
| NE | | .3 | 2.7 | 2.1 | | | | | | | | 4.9 | 10.1 |
| ENE | .1 | 1.6 | 2.7 | .6 | | | | | | | | 4.9 | 7.8 |
| E | .3 | .3 | .4 | .1 | | | | | | | | 1.7 | 6.3 |
| ESE | | .2 | .1 | | | | | | | | | .3 | 5.7 |
| SE | | .1 | .3 | .1 | | | | | | | | .6 | 8.8 |
| SSE | .1 | .2 | 1.1 | 1.0 | .3 | | | | | | | 2.6 | 10.8 |
| S | .1 | 2.2 | 6.4 | 4.0 | .1 | | | | | | | 12.9 | 9.7 |
| SSW | | 1.7 | 4.5 | 3.3 | .2 | | | | | | | 9.8 | 10.0 |
| SW | | 1.1 | 3.9 | 6.1 | .3 | | | | | | | 10.4 | 10.9 |
| WSW | .4 | 2.6 | 8.9 | 6.3 | .3 | .1 | | | | | | 16.7 | 9.8 |
| W | .1 | 2.2 | 4.0 | 2.2 | .2 | | | | | | | 6.6 | 9.1 |
| WNW | | .9 | .4 | .4 | | | | | | | | 2.1 | 8.3 |
| NW | .1 | .3 | .3 | .1 | .1 | | | | | | | 1.4 | 8.1 |
| NNW | | .2 | .3 | .6 | | | | | | | | 1.1 | 9.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.6 | |
| | 1.0 | 16.8 | 45.4 | 3.9 | 1.8 | .1 | | | | | | 100.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 960

ALBANY CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1227 LA FORTUNE, NY STATION NAME 74-83 YEARS JUN MONTH
CLASS ALL WEATHER 1200-1400 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.7 | 2.2 | 1.2 | | | | | | | | 5.7 | 6.6 |
| NNE | | .3 | 1.3 | 2.2 | | | | | | | | 3.9 | 11.1 |
| NE | | .1 | 1.9 | 1.1 | .2 | | | | | | | 3.3 | 10.3 |
| ENE | | .4 | 1.1 | .3 | | | | | | | | 2.3 | 9.1 |
| E | | .2 | .7 | .3 | | | | | | | | 1.2 | 8.8 |
| ESE | | .1 | | | | | | | | | | .1 | 4.0 |
| SE | | .1 | .2 | .3 | | | | | | | | 1.1 | 11.1 |
| SSE | | .2 | 1.2 | .6 | .1 | .1 | | | | | | 2.2 | 10.4 |
| S | .3 | 1.7 | 4.5 | 3.1 | .1 | .1 | | | | | | 9.8 | 9.1 |
| SSW | .1 | .2 | 2.7 | 2.7 | | | | | | | | 5.7 | 10.0 |
| SW | | .6 | 6.7 | 9.9 | .8 | | | | | | | 17.9 | 11.6 |
| WSW | | 2.0 | 13.0 | 13.3 | 1.0 | .1 | | | | | | 29.4 | 11.0 |
| W | .1 | 1.6 | 6.3 | 3.2 | .3 | .1 | | | | | | 11.7 | 9.8 |
| WNW | | .7 | .6 | .7 | .1 | | | | | | | 2.0 | 9.2 |
| NW | | .1 | .3 | .3 | | | | | | | | .8 | 9.9 |
| NNW | | .1 | .7 | .6 | | | | | | | | 1.3 | 10.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.6 | |
| | | 10.1 | 48.7 | 40.8 | 2.7 | .4 | | | | | | 100.0 | 10.4 |

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74-227 STATION 74-227 AIRPORT, NY STATION NAME 74-227 YEARS JUNE MONTH 1980-1980 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | .4 | 2.7 | 1.7 | | | | | | | | 5.1 | 9.8 |
| NNE | | .4 | 1.7 | 1.7 | .2 | | | | | | | 4.0 | 10.8 |
| NE | .1 | .2 | 1.7 | 1.1 | | | | | | | | 3.1 | 9.6 |
| ENE | | .5 | 1.7 | .5 | | | | | | | | 2.1 | 9.2 |
| E | | .3 | .4 | | | | | | | | | .7 | 7.0 |
| ESE | | .1 | .1 | | | | | | | | | .2 | 6.0 |
| SE | | .1 | .3 | .1 | | | | | | | | .6 | 8.2 |
| SSE | | .2 | .5 | .3 | .3 | .1 | | | | | | 1.6 | 12.3 |
| S | .1 | 1.7 | 5.1 | 1.4 | .3 | | | | | | | 6.7 | 9.1 |
| SSW | .3 | 1.0 | 2.4 | 1.9 | | | | | | | | 5.6 | 9.4 |
| SW | .1 | 1.8 | 8.7 | 10.7 | .7 | .1 | | | | | | 21.4 | 11.3 |
| WSW | | 2.8 | 16.3 | 1.7 | 1.0 | .3 | | | | | | 31.6 | 10.5 |
| W | | 1.3 | 4.3 | 2.0 | | | | | | | | 6.1 | 9.2 |
| WNW | .1 | .3 | 1.2 | .3 | | | | | | | | 2.0 | 8.7 |
| NW | | .4 | .7 | .7 | | | | | | | | 2.0 | 9.5 |
| NNW | | .5 | .4 | .2 | | | | | | | | 1.2 | 7.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.9 | |
| | .5 | 12.2 | 48.6 | 33.4 | 2.6 | .6 | | | | | | 100.0 | 9.9 |

TOTAL NUMBER OF OBSERVATIONS 899

NATIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10027 STATION NAME: ALBERTA, NY YEARS: 74-83 MONTH: JULY
CLASS: ALL WEATHER
CONDITION: 1900-2000 HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 1.2 | 2.1 | .7 | | | | | | | | 4.1 | 8.1 |
| NNE | | .2 | 2.1 | .6 | | | | | | | | 3.6 | 8.2 |
| NE | | 1.9 | .9 | 1.2 | | | | | | | | 3.9 | 8.3 |
| ENE | | .8 | .9 | | | | | | | | | 1.7 | 6.5 |
| E | .2 | .8 | .8 | | | | | | | | | 1.8 | 6.3 |
| ESE | .1 | 1.0 | .3 | .1 | | | | | | | | 1.6 | 6.1 |
| SE | .3 | 1.7 | .7 | .1 | | | | | | | | 2.6 | 5.7 |
| SSE | .3 | 1.4 | .9 | .2 | | | | | | | | 2.9 | 6.4 |
| S | .5 | 6.1 | 3.7 | 1.3 | .4 | | | | | | | 15.1 | 7.3 |
| SSW | .2 | 5.6 | 4.6 | .8 | | | | | | | | 11.1 | 6.8 |
| SW | .7 | 7.4 | 9.2 | 3.0 | .1 | | | | | | | 22.4 | 7.6 |
| WSW | .7 | 5.2 | 6.7 | 3.4 | .2 | | | | | | | 15.7 | 8.5 |
| W | .1 | 1.7 | 1.4 | .4 | | | | | | | | 3.7 | 7.5 |
| WNW | | 1.1 | .4 | .1 | | | | | | | | 1.7 | 6.4 |
| NW | .1 | .5 | 1.7 | .2 | | | | | | | | 1.9 | 7.5 |
| NNW | | .6 | .3 | .1 | | | | | | | | 1.3 | 7.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.2 | |
| | 3.1 | 37.7 | 35.9 | 12.3 | .8 | | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 936

FEDERAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 227 AIRPORT, NY STATION NAME 74-83 YEARS JUN MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | .5 | 1.1 | .4 | | | | | | | | 1.9 | 8.4 |
| NNE | .2 | .7 | 1.1 | .5 | | | | | | | | 2.5 | 7.8 |
| NE | .1 | 1.1 | .5 | .5 | | | | | | | | 2.1 | 7.4 |
| ENE | .1 | 2.0 | .9 | | | | | | | | | 3.0 | 5.4 |
| E | .4 | 5.8 | .7 | .1 | | | | | | | | 7.0 | 5.2 |
| ESE | .2 | 1.7 | .4 | .1 | | | | | | | | 2.6 | 5.5 |
| SE | .2 | 2.9 | .8 | .1 | | | | | | | | 4.3 | 5.5 |
| SSE | .5 | 3.9 | .9 | .6 | .2 | | | | | | | 6.1 | 6.7 |
| S | 1.7 | 12.4 | 6.3 | 2.4 | .2 | | | | | | | 23.1 | 6.6 |
| SSW | .8 | 5.8 | 2.3 | .6 | | | | | | | | 9.3 | 6.2 |
| SW | .2 | 4.2 | 7.2 | .5 | .4 | | | | | | | 8.8 | 7.2 |
| WSW | .2 | 1.4 | 2.3 | .8 | | | | | | | | 4.8 | 8.1 |
| W | | .5 | .4 | .5 | | | | | | | | 1.4 | 8.3 |
| WNW | | .2 | .5 | .2 | | | | | | | | 1.4 | 7.4 |
| NW | .1 | .2 | .4 | | .1 | | | | | | | .6 | 8.0 |
| NNW | | .4 | .4 | .1 | | | | | | | | .8 | 7.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 20.0 | |
| | 5.5 | 44.3 | 21.8 | 7.5 | 1.7 | | | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS 640

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74-83 WARTON, KY STATION NAME 74-83 YEARS JUN MONTH
CLASS ALL WEATHER HOURS (L.S.T.) ALL
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.1 | 1.0 | .7 | .7 | | | | | | | 3.8 | 8.3 |
| NNE | .1 | .6 | 1.4 | .8 | .1 | | | | | | | 3.2 | 8.6 |
| NE | .1 | 1.3 | 1.3 | 1.0 | .0 | | | | | | | 3.5 | 6.6 |
| ENE | .2 | 1.9 | 1.2 | .3 | | | | | | | | 3.5 | 6.6 |
| E | .2 | 2.6 | .6 | .1 | | | | | | | | 3.5 | 5.3 |
| ESE | .2 | .8 | .3 | .1 | | | | | | | | 1.4 | 5.5 |
| SE | .2 | 1.1 | .4 | .2 | | | | | | | | 1.9 | 6.1 |
| SSE | .2 | 1.6 | 1.2 | .6 | .1 | .0 | | | | | | 3.6 | 8.7 |
| S | .5 | 6.4 | 5.8 | 2.8 | .2 | .0 | | | | | | 15.7 | 7.8 |
| SSW | .4 | 3.7 | 3.6 | 1.6 | .0 | | | | | | | 9.2 | 7.8 |
| SW | .2 | 3.0 | 6.1 | 4.8 | .3 | .0 | | | | | | 14.5 | 9.5 |
| WSW | .2 | 2.4 | 7.0 | 4.9 | .4 | .1 | | | | | | 15.0 | 9.9 |
| W | .1 | 1.4 | 2.5 | 1.2 | .1 | .0 | | | | | | 5.3 | 6.6 |
| WNW | .1 | .7 | .6 | .4 | .0 | | | | | | | 1.6 | 7.9 |
| NW | .1 | .4 | .5 | .2 | .0 | | | | | | | 1.2 | 6.1 |
| NNW | .1 | .3 | .3 | .2 | | | | | | | | .9 | 6.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.9 | |
| | 2.3 | 29.3 | 34.7 | 19.8 | 1.3 | .1 | | | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 6985

U.S. AIR FORCE
 METAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-227 ALBANY, NY STATION NAME 74-82 YEARS 1961
 MONTH 08-0294
 CLASS ALL WEATHER
 HOURS (L.S.T.)
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.2 | 1.9 | | | | | | | | | 3.8 | 6.6 |
| NNE | .1 | .5 | .2 | .1 | | | | | | | | 1.2 | 6.5 |
| NE | .1 | 1.6 | .4 | .1 | | | | | | | | 2.2 | 5.7 |
| ENE | .4 | 3.0 | .2 | | | | | | | | | 3.6 | 4.7 |
| E | 1.2 | 5.7 | .4 | | | | | | | | | 7.3 | 4.6 |
| ESE | .5 | 1.7 | .2 | | | | | | | | | 2.4 | 4.7 |
| SE | .5 | 1.8 | | | | | | | | | | 2.3 | 4.2 |
| SSE | .5 | 3.2 | 1.6 | .1 | | | | | | | | 5.4 | 5.8 |
| S | 1.3 | 15.1 | 6.7 | 1.1 | | | | | | | | 24.1 | 6.3 |
| SSW | .5 | 7.6 | 3.9 | .4 | | | | | | | | 12.5 | 6.2 |
| SW | .1 | 3.3 | 3.0 | .7 | | | | | | | | 6.8 | 7.3 |
| WSW | | 1.3 | .3 | .4 | .1 | | | | | | | 2.6 | 7.5 |
| W | | .6 | .8 | .1 | | | | | | | | 1.6 | 7.4 |
| WNW | | .2 | .7 | .2 | | | | | | | | 1.2 | 8.8 |
| NW | | .2 | .2 | | | | | | | | | .5 | 7.3 |
| NNW | | .4 | .2 | .1 | | | | | | | | .7 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 22.1 | |
| | 5.4 | 47.8 | 21.3 | 3.3 | .1 | | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 637

CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 STATION NAME ALERTON, NY YEARS 74-83 MONTH JUL
 CLASS ALL WEATHER
 HOURS (L.S.T.) 0000-0500
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | 1.3 | .7 | .1 | | | | | | | | 2.3 | 6.6 |
| NNE | .2 | 1.0 | .5 | | | | | | | | | 2.0 | 5.2 |
| NE | .2 | 1.0 | .3 | | | | | | | | | 1.6 | 5.2 |
| ENE | .3 | 2.9 | .1 | | | | | | | | | 3.5 | 4.0 |
| E | .3 | 5.8 | .2 | | | | | | | | | 6.8 | 4.4 |
| ESE | .2 | 1.4 | | | | | | | | | | 1.6 | 4.0 |
| SE | | 1.4 | .5 | | | | | | | | | 1.9 | 5.3 |
| SSE | | 2.4 | 1.4 | .2 | | | | | | | | 4.0 | 6.4 |
| S | 1.2 | 13.2 | 7.5 | .9 | | | | | | | | 22.6 | 6.4 |
| SSW | .9 | 7.7 | 5.2 | .6 | | | | | | | | 14.4 | 6.3 |
| SW | .5 | 3.7 | 2.1 | .5 | .1 | | | | | | | 7.9 | 6.0 |
| WSW | .2 | 1.0 | 1.2 | .3 | .1 | | | | | | | 3.5 | 7.1 |
| W | | .5 | .3 | | | | | | | | | .9 | 5.9 |
| WNW | | .5 | 1.2 | | | | | | | | | 1.6 | 6.8 |
| NW | | .1 | | .1 | | | | | | | | .2 | 6.0 |
| NNW | .1 | .3 | .2 | .1 | | | | | | | | .8 | 7.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.2 | |
| | 5.4 | 44.9 | 22.0 | 2.9 | .2 | | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS 868

NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1227 WAILORTON, NY STATION NAME 74-83 YEARS 1949-1950 MONTH JUL
 CLASS ALL WEATHER
 CONDITION 100-0500
 HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.2 | 1.5 | .2 | | | | | | | | 4.1 | 6.6 |
| NNE | | .9 | 1.1 | .1 | | | | | | | | 1.5 | 7.1 |
| NE | .1 | 1.4 | 1.1 | .2 | | | | | | | | 3.6 | 6.7 |
| ENE | .7 | 1.6 | .9 | .2 | | | | | | | | 3.3 | 6.3 |
| E | 1.5 | 2.7 | .2 | | | | | | | | | 3.5 | 4.2 |
| ESE | .1 | .1 | | | | | | | | | | .3 | 3.3 |
| SE | .7 | .5 | .5 | .1 | | | | | | | | 1.4 | 6.2 |
| SSE | .3 | 1.5 | 1.4 | .2 | | | | | | | | 3.4 | 6.7 |
| S | 1.7 | 2.7 | 8.1 | 1.9 | | | | | | | | 20.4 | 6.9 |
| SSW | .4 | 6.7 | 7.7 | 1.8 | | | | | | | | 16.7 | 7.4 |
| SW | .3 | 4.1 | 5.9 | 2.3 | .1 | | | | | | | 12.6 | 6.2 |
| WSW | .1 | 2.7 | 2.8 | .9 | .3 | | | | | | | 6.6 | 6.1 |
| W | .1 | .3 | 1.1 | .3 | | | | | | | | 2.3 | 8.0 |
| WNW | .2 | .6 | .5 | .2 | .1 | | | | | | | 1.8 | 7.4 |
| NW | | .6 | 1.7 | .2 | | | | | | | | 1.8 | 7.9 |
| NNW | .1 | .7 | .6 | .2 | | | | | | | | 1.5 | 7.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.3 | |
| | 5.1 | 36.7 | 34.2 | 8.9 | .5 | | | | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH
USAFETAC
400 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALBANY, NY STATION NAME ALBANY, NY YEARS 74-83 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 0000-1100
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .2 | 1.2 | 2.2 | 1.3 | .1 | | | | | | | 3.2 | 9.0 |
| NNE | .2 | .3 | 1.7 | .5 | | | | | | | | 3.3 | 8.4 |
| NE | | .1 | .5 | .3 | | | | | | | | .9 | 9.0 |
| ENE | | .5 | 1.5 | .4 | | | | | | | | 2.5 | 8.0 |
| E | .1 | .2 | .2 | .1 | | | | | | | | 1.0 | 6.1 |
| ESE | | .1 | .1 | .2 | | | | | | | | .4 | 9.0 |
| SE | .1 | .2 | .3 | .2 | | | | | | | | 1.3 | 7.2 |
| SSE | | .4 | .3 | .5 | | | | | | | | 1.3 | 6.2 |
| S | .1 | 2.0 | 6.1 | 2.6 | | | | | | | | 10.9 | 8.9 |
| SSW | | 1.4 | 6.7 | 3.7 | | | | | | | | 10.8 | 9.0 |
| SW | .2 | 2.0 | 9.1 | 7.7 | .6 | | | | | | | 22.6 | 10.0 |
| WSW | .3 | 3.4 | 9.0 | 5.7 | .8 | .1 | | | | | | 21.4 | 9.7 |
| W | .1 | 1.2 | 6.7 | 1.5 | .2 | | | | | | | 9.7 | 8.0 |
| WNW | .2 | .5 | 1.2 | .3 | | | | | | | | 2.5 | 7.7 |
| NW | | 1.1 | 1.4 | .6 | | | | | | | | 3.1 | 6.4 |
| NNW | | 1.1 | 1.3 | .9 | | | | | | | | 3.1 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.1 | |
| | 1.5 | 1.8 | 48.7 | 26.0 | 1.7 | .1 | | | | | | 100.0 | 9.0 |

TOTAL NUMBER OF OBSERVATIONS 930

U.S. AIR FORCE
 AIRCRAFT SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 227 STATION NAME AIRPORT, NY YEARS 74-83 MONTH JUL
 CLASS ALL WEATHER HOURS (L.S.T.) 1700-1900
 CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | 2.3 | 1.6 | | | | | | | | 4.5 | 9.6 |
| NNE | | | | .5 | | | | | | | | 1.4 | 10.3 |
| NE | | 1.1 | | .4 | | | | | | | | 1.2 | 7.7 |
| ENE | .1 | | | | | | | | | | | 1.6 | 6.4 |
| E | | .5 | .1 | .1 | | | | | | | | 1.3 | 6.1 |
| ESE | | .4 | .3 | | | | | | | | | .8 | 6.7 |
| SE | | .2 | | | | | | | | | | .2 | 4.5 |
| SSE | | .2 | .3 | .3 | | | | | | | | 1.3 | 9.3 |
| S | | .3 | 3.2 | 1.6 | .1 | | | | | | | 5.2 | 9.7 |
| SSW | | .2 | 1.7 | 1.3 | .6 | | | | | | | 3.3 | 10.3 |
| SW | | 1.1 | 2.5 | 16.0 | 1.4 | | | | | | | 2.9 | 11.5 |
| WSW | | 1.1 | 13.2 | 14.1 | 2.2 | .2 | | | | | | 20.3 | 11.7 |
| W | | .1 | 2.1 | 5.5 | .1 | | | | | | | 14.8 | 10.4 |
| WNW | | .1 | 1.7 | .3 | | | | | | | | .2 | 9.4 |
| NW | | .2 | 1.7 | 1.7 | | | | | | | | 3.5 | 10.3 |
| NNW | | .3 | 1.2 | 1.7 | | | | | | | | 3.8 | 9.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | .2 | .7 | 42.3 | 35.3 | 4.3 | .2 | | | | | | 100.0 | 10.6 |

TOTAL NUMBER OF OBSERVATIONS 930

ANAL CLIMATOLOGY BRANCH
USAFETAC
AIR FORCE SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74-27 CAIRFORDS NY STATION NAME 74-83 YEARS 1910-1917
MONTH 10-17
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | 2.4 | 1.2 | | | | | | | | 3.6 | 9.4 |
| NNE | | | | .5 | | | | | | | | 1.0 | 9.4 |
| NE | | | | .1 | | | | | | | | 1.0 | 8.4 |
| ENE | | | .5 | .1 | | | | | | | | 1.0 | 7.7 |
| E | .1 | .5 | .2 | .1 | | | | | | | | 1.0 | 7.0 |
| ESE | .1 | | | .2 | | | | | | | | .3 | 8.3 |
| SE | | | .3 | | | | | | | | | .3 | 7.0 |
| SSE | .1 | .4 | .7 | .1 | | | | | | | | 1.4 | 7.5 |
| S | | 1.2 | 2.3 | 2.0 | | | | | | | | .5 | 9.4 |
| SSW | .1 | .1 | 3.2 | 2.5 | .2 | | | | | | | .6 | 1.03 |
| SW | | 1.3 | 3.7 | 11.1 | .3 | | | | | | | 21.4 | 1.09 |
| WSW | .1 | 3.0 | 17.3 | 15.2 | 1.6 | .1 | | | | | | 37.3 | 1.07 |
| W | | .0 | 6.1 | 3.3 | .2 | .1 | | | | | | 1.06 | 1.02 |
| WNW | .1 | .5 | .5 | .6 | .1 | | | | | | | .0 | 9.1 |
| NW | | .2 | .1 | .4 | | | | | | | | 1.3 | 9.5 |
| NNW | | .1 | 1.1 | .8 | | | | | | | | 1.3 | 9.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.3 | |
| | | 10.5 | 46.5 | 38.4 | 2.5 | .2 | | | | | | 1.0 | 1.00 |

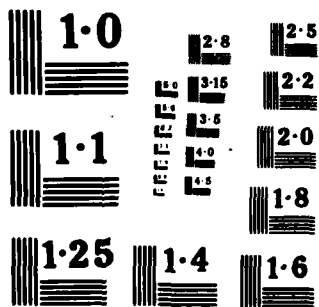
TOTAL NUMBER OF OBSERVATIONS 910

UNCLASSIFIED

WATERTOWN NEW YORK REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATION..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. OCT 84
USAFETAC/DS-84/035 F/G 4/2

2/5

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CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10027 AIRPORT NY STATION NAME 74-83 YEARS JUL
MONTH 1900-2000
CLASS ALL WEATHER
HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.1 | 1.8 | .9 | | | | | | | | 4.1 | 8.4 |
| NNE | | .3 | 1.1 | .5 | | | | | | | | 2.3 | 6.4 |
| NE | | 1.3 | 1.2 | .6 | | | | | | | | .1 | 7.8 |
| ENE | .1 | .1 | .1 | .1 | | | | | | | | .9 | 6.4 |
| E | | 1.2 | .3 | | | | | | | | | 1.5 | 5.5 |
| ESE | .1 | .9 | | | | | | | | | | 1.0 | 4.8 |
| SE | .1 | 1.1 | .4 | | | | | | | | | 1.9 | 5.6 |
| SSE | .1 | 1.3 | .3 | .2 | | | | | | | | 2.5 | 6.8 |
| S | .4 | 7.4 | 4.3 | .5 | | | | | | | | 12.7 | 6.3 |
| SSW | .4 | 8.0 | 3.3 | .8 | .1 | | | | | | | 12.5 | 6.4 |
| SW | .5 | 6.2 | 10.9 | 3.3 | | | | | | | | 21.0 | 6.0 |
| WSW | .1 | 5.1 | 8.6 | 3.3 | .3 | | | | | | | 17.6 | 8.5 |
| W | | 1.6 | 2.3 | .4 | | | | | | | | 4.3 | 7.6 |
| WNW | .1 | 1.0 | .3 | .2 | | | | | | | | 2.2 | 7.0 |
| NW | | .1 | .3 | | | | | | | | | .6 | 7.5 |
| NNW | .1 | .1 | .4 | .3 | | | | | | | | 1.1 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.0 | |
| | 7.3 | 37.5 | 36.6 | 11.2 | .4 | | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74227 ATFORD, NY STATION NAME 74-83 YEARS JUL
MONTH 1100-2300
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .7 | 1.2 | .2 | .1 | | | | | | | .3 | 8.3 |
| NNE | | 1.3 | .2 | | | | | | | | | 1.5 | 5.4 |
| NE | | .9 | .7 | .2 | | | | | | | | 1.5 | 7.2 |
| ENE | .2 | 2.9 | .9 | .1 | | | | | | | | 4.1 | 5.6 |
| E | .3 | 4.9 | .1 | | | | | | | | | 5.4 | 4.9 |
| ESE | .7 | 1.6 | .2 | | | | | | | | | 2.5 | 4.4 |
| SE | .2 | 1.8 | .9 | .1 | | | | | | | | 3.2 | 5.1 |
| SSE | .5 | 3.9 | 1.3 | .2 | | | | | | | | 5.9 | 5.6 |
| S | 1.4 | 13.9 | 6.6 | 1.0 | | | | | | | | 22.9 | 6.1 |
| SSW | .2 | 5.6 | 3.2 | .7 | | | | | | | | 9.8 | 6.5 |
| SW | .3 | 3.3 | 2.6 | 1.2 | | | | | | | | 7.4 | 7.2 |
| WSW | .1 | .9 | 2.9 | .7 | .1 | | | | | | | 4.7 | 8.5 |
| W | .1 | .2 | .6 | .3 | | | | | | | | 1.3 | 8.5 |
| WNW | | .5 | .6 | .2 | | | | | | | | 1.3 | 8.2 |
| NW | | .7 | .6 | .1 | | | | | | | | 1.4 | 7.2 |
| NNW | | .2 | .5 | | | | | | | | | .7 | 7.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.2 | |
| | 4.4 | 43.4 | 22.7 | 5.2 | .2 | | | | | | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS 860

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 100227 WATERTOWN NY STATION NAME 74-83 YEARS JUL
CLASS ALL WEATHER MONTH JUL
CONDITION ALL HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.2 | 1.9 | .7 | .0 | | | | | | | 3.9 | 8.3 |
| NNE | .1 | .7 | .8 | .3 | | | | | | | | 1.9 | 7.7 |
| NE | .1 | 1.7 | .6 | .3 | | | | | | | | 1.9 | 7.1 |
| ENE | .2 | 1.5 | .6 | .1 | | | | | | | | 2.5 | 5.9 |
| E | .2 | 2.6 | .3 | .2 | | | | | | | | 3.4 | 5.0 |
| ESE | .2 | .7 | .1 | .1 | | | | | | | | 1.1 | 5.0 |
| SE | .2 | .9 | .4 | .1 | | | | | | | | 1.6 | 5.5 |
| SSE | .3 | 1.6 | 1.7 | .2 | | | | | | | | 3.1 | 6.5 |
| S | .7 | 7.7 | 5.6 | 1.5 | .0 | | | | | | | 15.5 | 6.9 |
| SSW | .4 | 4.7 | 4.5 | 1.5 | .1 | | | | | | | 11.2 | 7.6 |
| SW | .3 | 3.2 | 6.6 | 4.7 | .3 | | | | | | | 15.0 | 9.4 |
| WSW | .2 | 2.5 | 7.2 | 5.2 | .7 | .1 | | | | | | 15.8 | 10.1 |
| W | .2 | .7 | 3.5 | 1.5 | .1 | .0 | | | | | | 5.8 | 9.4 |
| WNW | .1 | .6 | .9 | .3 | .0 | | | | | | | 1.9 | 8.0 |
| NW | | .4 | .7 | .3 | | | | | | | | 1.5 | 8.6 |
| NNW | .1 | .4 | .8 | .4 | | | | | | | | 1.6 | 8.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.4 | |
| | 3.2 | 30.4 | 35.5 | 17.2 | 1.3 | .1 | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 7224

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 AIRPORT NY STATION NAME 74-83 YEARS AUG MONTH
ALL WEATHER CLASS 1200-2200 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | 1.2 | .5 | | | | | | | | | .6 | 5.4 |
| NNE | | 1.2 | .2 | .1 | | | | | | | | 2.2 | 6.6 |
| NE | .3 | 1.5 | 1.1 | .3 | | | | | | | | 3.1 | 6.7 |
| ENE | .2 | 4.2 | .5 | .3 | | | | | | | | 5.7 | 5.3 |
| E | .6 | 7.5 | .5 | | | | | | | | | 8.7 | 4.7 |
| ESE | .3 | 1.8 | | | | | | | | | | 2.2 | 4.1 |
| SE | .4 | 1.8 | .2 | .2 | | | | | | | | 2.7 | 5.3 |
| SSE | .3 | 2.8 | 1.8 | .2 | | | | | | | | 5.2 | 6.1 |
| S | .5 | 10.6 | 5.3 | 1.4 | | | | | | | | 18.6 | 6.4 |
| SSW | .2 | 4.1 | 2.3 | .3 | | | | | | | | 6.9 | 6.2 |
| SW | .2 | 1.9 | 2.3 | .2 | | | | | | | | 4.5 | 6.9 |
| WSW | | 2.3 | 1.9 | .6 | .1 | | | | | | | 4.8 | 7.4 |
| W | | 1.0 | 2.3 | 1.0 | | | | | | | | 4.2 | 8.9 |
| WNW | | .4 | .6 | .1 | | | | | | | | 1.2 | 7.5 |
| NW | .1 | .3 | | .1 | | | | | | | | .4 | 6.2 |
| NNW | | .2 | | .1 | | | | | | | | .3 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 27.6 | |
| | 4.1 | 42.8 | 20.1 | 5.1 | .1 | | | | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS 930

U.S. NATIONAL CLIMATOLOGY BRANCH
 MET. C.
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74-227 STATION 74-227 AIRTOWN NY STATION NAME 74-83 YEARS AUG MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | | .2 | 1.7 | .1 | | | | | | | | 1.9 | 7.0 |
| NNE | .1 | 1.3 | .4 | | | | | | | | | 1.6 | 5.6 |
| NE | | 3.5 | .8 | .4 | | | | | | | | 4.7 | 6.1 |
| ENE | .3 | 4.2 | .8 | .2 | | | | | | | | 5.4 | 5.6 |
| E | 1.3 | 7.7 | .5 | | | | | | | | | 9.2 | 4.8 |
| ESE | .3 | 1.5 | | | | | | | | | | 1.8 | 3.8 |
| SE | .1 | 1.8 | .2 | .1 | | | | | | | | 2.3 | 5.3 |
| SSE | .2 | 2.2 | 1.2 | .4 | | | | | | | | 4.0 | 6.7 |
| S | 1.2 | 13.4 | 4.9 | 1.2 | .1 | | | | | | | 17.8 | 6.4 |
| SSW | .3 | 3.5 | 1.9 | .4 | | | | | | | | 6.2 | 6.4 |
| SW | .1 | 2.7 | 1.1 | .8 | | | | | | | | 4.6 | 6.8 |
| WSW | .2 | 1.3 | 1.7 | .6 | .2 | | | | | | | 4.0 | 8.6 |
| W | .2 | 1.1 | 1.4 | 1.0 | .3 | | | | | | | 4.0 | 8.9 |
| WNW | .1 | .1 | .3 | .3 | | | | | | | | .9 | 9.0 |
| NW | | .2 | .1 | | | | | | | | | .3 | 6.7 |
| NNW | | .5 | .2 | | | | | | | | | .6 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 30.2 | |
| | 4.7 | 43.0 | 16.6 | 5.6 | .6 | | | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-227 AIRPORT NY STATION NAME 74-83 YEARS AUG
MONTH 0600-0630
CLASS ALL WEATHER
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.4 | 1.6 | .4 | | | | | | | | 3.7 | 7.1 |
| NNE | .1 | .1 | 1.2 | .3 | | | | | | | | 2.2 | 8.0 |
| NE | .1 | 2.2 | 2.4 | .5 | | | | | | | | 5.4 | 7.2 |
| ENE | .3 | 5.2 | 2.3 | | | | | | | | | 7.7 | 5.8 |
| E | .3 | 5.1 | .5 | .1 | | | | | | | | 6.6 | 4.9 |
| ESE | .1 | .4 | .1 | | | | | | | | | 1.1 | 3.9 |
| SE | | .4 | .2 | | | | | | | | | .6 | 6.5 |
| SSE | | 1.6 | 1.7 | .4 | | | | | | | | 3.8 | 7.1 |
| S | 1.3 | 8.3 | 7.4 | 1.7 | | | | | | | | 16.7 | 6.9 |
| SSW | .3 | 3.5 | 2.5 | .6 | | | | | | | | 7.8 | 6.8 |
| SW | | 1.3 | 2.6 | .9 | .3 | | | | | | | 5.6 | 8.6 |
| WSW | .1 | 1.7 | 2.5 | 1.7 | .1 | | | | | | | 6.1 | 9.0 |
| W | | 1.1 | 2.7 | 1.6 | .1 | | | | | | | 4.8 | 9.5 |
| WNW | .1 | .4 | .5 | .4 | | | | | | | | 1.5 | 8.1 |
| NW | | .2 | .3 | .4 | | | | | | | | 1.0 | 9.0 |
| NNW | | .4 | .7 | .2 | | | | | | | | 1.0 | 8.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.3 | |
| | 4.2 | 34.3 | 28.2 | 9.5 | .5 | | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH
 METEOROLOGICAL
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74-227 STATION NAME: AIRTOWN NY STATION: 74-83 YEARS: AUG MONTH: 0900-1100 HOURS (L.S.T.)
 CLASS: ALL WEATHER
 CONDITION:

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 2.2 | 2.9 | .6 | .1 | | | | | | | 6.0 | 7.6 |
| NNE | .1 | 1.2 | 2.2 | .9 | | | | | | | | 5.1 | 6.1 |
| NE | .1 | 1.5 | 3.3 | 1.3 | | | | | | | | 6.3 | 8.3 |
| ENE | .2 | 1.7 | 3.2 | .2 | | | | | | | | 5.6 | 7.2 |
| E | .1 | .6 | .5 | | | | | | | | | 1.3 | 6.0 |
| ESE | | .1 | .1 | | | | | | | | | .2 | 6.0 |
| SE | .3 | .3 | .6 | .1 | | | | | | | | 1.4 | 7.2 |
| SSE | | .6 | .8 | .5 | | | | | | | | 1.9 | 8.8 |
| S | .1 | 3.4 | 5.6 | 1.6 | | | | | | | | 11.9 | 8.0 |
| SSW | .3 | 2.5 | 6.2 | 2.2 | | | | | | | | 11.2 | 8.5 |
| SW | .1 | 2.0 | 6.7 | 3.4 | .1 | | | | | | | 12.4 | 9.5 |
| WSW | .1 | 3.7 | 9.7 | 4.1 | .4 | | | | | | | 18.6 | 9.5 |
| W | .4 | 1.9 | 3.4 | 1.9 | .4 | | | | | | | 8.2 | 9.2 |
| WNW | .1 | 1.3 | 1.3 | .3 | .1 | | | | | | | 3.1 | 7.8 |
| NW | .1 | .6 | .8 | .2 | | | | | | | | 1.7 | 7.6 |
| NNW | | .6 | .5 | .2 | | | | | | | | 1.4 | 7.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.4 | |
| | 2.7 | 24.6 | 48.5 | 17.6 | 1.2 | | | | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74-0227 STATION NAME WATER TOWN NY 74-83 YEARS AUG MONTH
1000-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .3 | 1.4 | 2.9 | 1.0 | .1 | | | | | | | 5.8 | 8.1 |
| NNE | .1 | 1.2 | 2.0 | .5 | | | | | | | | 3.9 | 8.0 |
| NE | .1 | 1.2 | 3.3 | .9 | .1 | | | | | | | 5.3 | 8.7 |
| ENE | | .3 | 1.3 | .2 | | | | | | | | 2.3 | 7.9 |
| E | .3 | 1.1 | .1 | | | | | | | | | 1.4 | 4.7 |
| ESE | .1 | | .4 | | | | | | | | | .5 | 8.6 |
| SE | | | .1 | | | | | | | | | .1 | 8.0 |
| SSE | | .2 | .3 | .2 | | | | | | | | .8 | 9.0 |
| S | | .6 | 3.7 | 1.6 | .1 | | | | | | | 6.0 | 9.5 |
| SSW | .1 | .9 | 3.7 | 1.7 | .1 | | | | | | | 5.8 | 9.4 |
| SW | .1 | 1.1 | 7.8 | 6.5 | 1.1 | | | | | | | 15.6 | 11.0 |
| WSW | .3 | 2.4 | 13.7 | 12.7 | 1.2 | .1 | | | | | | 29.7 | 10.8 |
| W | .1 | 2.2 | 9.7 | 2.6 | .8 | | | | | | | 13.7 | 9.7 |
| WNW | | .5 | 1.1 | .3 | | | | | | | | 1.9 | 8.2 |
| NW | | .9 | 1.1 | .3 | | | | | | | | 2.3 | 8.0 |
| NNW | .1 | .4 | 1.1 | .4 | | | | | | | | 2.6 | 8.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 1.7 | 14.9 | 49.0 | 25.9 | 3.4 | .1 | | | | | | 100.0 | 9.6 |

TOTAL NUMBER OF OBSERVATIONS 930

12
FEDERAL CLIMATOLOGY BRANCH
METEOROLOGICAL
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-227 STATION LA FORTUNE, NY STATION NAME 74-13 YEARS AUG
MONTH 1969-1970
CLASS ALL WEATHER
CONDITION 1500-1700
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.5 | 3.2 | .8 | | | | | | | | 5.5 | 8.3 |
| NNE | .1 | 1.1 | 1.6 | 1.0 | | | | | | | | 3.8 | 8.3 |
| NE | | .6 | 1.7 | 1.7 | .1 | | | | | | | 5.4 | 9.2 |
| ENE | | .7 | 1.5 | .3 | | | | | | | | 2.2 | 8.6 |
| E | | .2 | .2 | .2 | | | | | | | | .6 | 8.2 |
| ESE | | .1 | .2 | .1 | | | | | | | | .4 | 8.5 |
| SE | | .1 | .3 | | | | | | | | | .4 | 7.5 |
| SSE | | .2 | .4 | .2 | | | | | | | | 1.2 | 8.8 |
| S | | .9 | 2.8 | 1.7 | | | | | | | | 4.5 | 8.6 |
| SSW | | 1.0 | 3.9 | 1.2 | | | | | | | | 6.1 | 9.2 |
| SW | .1 | 1.7 | 9.2 | 6.7 | .3 | | | | | | | 16.1 | 10.2 |
| WSW | .1 | 3.7 | 15.7 | 11.0 | 1.1 | | | | | | | 30.9 | 10.2 |
| W | | 3.4 | 7.2 | 2.5 | .6 | | | | | | | 13.6 | 9.0 |
| WNW | | .6 | 1.7 | .5 | | | | | | | | 2.2 | 8.8 |
| NW | | .4 | 1.7 | .3 | | | | | | | | 1.7 | 8.8 |
| NNW | .1 | .2 | 1.5 | .4 | | | | | | | | 2.3 | 9.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.7 | |
| | .5 | 15.7 | 51.8 | 27.1 | 2.2 | | | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 STATION NAME AIRPORT, NY YEARS 74-83 MONTH AUG
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.) 1800-2100

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | .2 | 1.5 | .1 | | | | | | | | 3.6 | 6.3 |
| NNE | .1 | 1.8 | 1.9 | .2 | | | | | | | | 3.9 | 7.4 |
| NE | .1 | 1.6 | 1.2 | .3 | | | | | | | | 3.2 | 7.1 |
| ENE | | 1.3 | 1.5 | .2 | | | | | | | | 3.5 | 7.1 |
| E | .3 | 1.7 | .3 | | | | | | | | | 2.4 | 6.8 |
| ESE | .3 | .6 | .2 | | | | | | | | | 1.2 | 4.5 |
| SE | .1 | 1.1 | .5 | | | | | | | | | 1.7 | 5.5 |
| SSE | .3 | 1.4 | 1.3 | .2 | | | | | | | | 3.2 | 6.6 |
| S | 1.4 | 8.3 | 3.5 | .2 | | | | | | | | 13.4 | 5.5 |
| SSW | .9 | 5.2 | 3.2 | .2 | | | | | | | | 9.5 | 6.6 |
| SW | .4 | 6.7 | 7.2 | .9 | .1 | | | | | | | 15.1 | 7.1 |
| WSW | .4 | 5.4 | 5.2 | 2.2 | .3 | | | | | | | 13.4 | 8.0 |
| W | .1 | 1.2 | 1.4 | .8 | .5 | | .1 | | | | | 4.3 | 10.2 |
| WNW | | .4 | .5 | .1 | | | | | | | | 1.1 | 7.5 |
| NW | | .3 | 1.3 | .2 | | | | | | | | 1.6 | 9.5 |
| NNW | | .9 | .4 | .1 | | | | | | | | 1.4 | 7.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.1 | |
| | 4.5 | 40.3 | 31.3 | 5.7 | 1.0 | | .1 | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS 93

U.S. NATIONAL CLIMATOLOGY BRANCH
TAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10027 WIERID, N.Y. STATION NAME 74-93 YEARS 8/5 MONTH 100-2301
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.2 | .3 | .3 | | | | | | | | 2.2 | 6.0 |
| NNE | .1 | 1.2 | .5 | .2 | | | | | | | | 2.3 | 6.0 |
| NE | .1 | 1.2 | .2 | .1 | | | | | | | | 2.9 | 6.3 |
| ENE | .2 | 4.4 | 1.2 | .1 | | | | | | | | 5.9 | 5.4 |
| E | .4 | 6.2 | .4 | | | | | | | | | 6.9 | 4.9 |
| ESE | .2 | 1.7 | .2 | | | | | | | | | 2.9 | 4.2 |
| SE | .2 | 2.8 | .4 | | | | | | | | | 4.0 | 5.0 |
| SSE | .2 | 3.2 | 2.7 | | | | | | | | | 5.8 | 5.0 |
| S | .3 | 14.4 | 5.5 | .8 | | | | | | | | 1.4 | 6.1 |
| SSW | .2 | 5.4 | 2.7 | .1 | | | | | | | | 8.2 | 5.9 |
| SW | .1 | 2.2 | .2 | .3 | | | | | | | | 3.4 | 6.6 |
| WSW | | 1.2 | 2.2 | .9 | | | | | | | | 4.3 | 8.3 |
| W | | .2 | .3 | 1.0 | .2 | | | | | | | 2.6 | 10.3 |
| WNW | .1 | .2 | .6 | .2 | | | | | | | | 1.5 | 7.9 |
| NW | | | .2 | .1 | | | | | | | | .4 | 9.8 |
| NNW | | .2 | .1 | | | | | | | | | .4 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.8 | |
| | 4.3 | 47.7 | 18.3 | 4.1 | .2 | | | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/CLIMAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 027 VERTONA NY STATION NAME 74-33 YEARS ALL MONTH ALL
CLASS ALL WEATHER HOURS (L.S.T.) 24
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | .1 | 1.1 | 1.7 | .4 | .0 | | | | | | | .3 | 7.4 |
| NNE | .1 | 1.2 | 1.4 | .4 | .0 | | | | | | | .3 | 7.5 |
| NE | .1 | 1.7 | 1.5 | .6 | .0 | | | | | | | .3 | 7.6 |
| ENE | .2 | 2.1 | 1.5 | .2 | .0 | | | | | | | .3 | 6.8 |
| E | .4 | 3.7 | .4 | .0 | | | | | | | | .3 | 4.9 |
| ESE | .2 | .3 | .2 | .7 | | | | | | | | .3 | 4.6 |
| SE | .1 | 1.1 | .3 | .1 | | | | | | | | .7 | 5.5 |
| SSE | .2 | 1.5 | 1.2 | .3 | | | | | | | | .3 | 6.7 |
| S | .2 | 7.1 | 4.2 | 1.2 | .0 | | | | | | | 1.8 | 6.6 |
| SSW | .1 | 3.3 | 3.1 | .8 | .0 | | | | | | | .8 | 7.1 |
| SW | .1 | 2.2 | 4.7 | 2.4 | .2 | | | | | | | 1.0 | 9.2 |
| WSW | .1 | 2.1 | 6.5 | 4.2 | .4 | .0 | | | | | | 1.8 | 9.7 |
| W | .1 | 1.5 | .4 | 1.5 | .4 | | .0 | | | | | .5 | 9.4 |
| WNW | .1 | .6 | .3 | .3 | .0 | | | | | | | .7 | 8.1 |
| NW | .1 | .4 | .6 | .2 | | | | | | | | .2 | 8.5 |
| NNW | .1 | .1 | .5 | .2 | | | | | | | | .2 | 7.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 2.5 | 32.9 | 33.7 | 12.9 | 1.2 | .0 | .0 | | | | | 10.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10-227 STATION NAME AIRPORT NY YEARS 74-83 MONTH SEP
CLASS ALL WEATHER
HOURS (L.S.T.) 1000-0200
CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.2 | 1.6 | .3 | | | | | | | | 3.8 | 6.9 |
| NNE | .1 | 2.1 | 1.1 | .2 | | | | | | | | 3.6 | 6.9 |
| NE | .2 | 1.9 | 1.3 | .9 | | | | | | | | 4.6 | 7.5 |
| ENE | .2 | 6.6 | .3 | | | | | | | | | 7.8 | 5.1 |
| E | .7 | 6.4 | .2 | | | | | | | | | 7.3 | 4.7 |
| ESE | .2 | 1.5 | | | | | | | | | | 2.0 | 4.2 |
| SE | | 1.5 | .4 | .3 | | | | | | | | 2.2 | 6.8 |
| SSE | | 2.1 | 3.0 | .7 | | | | | | | | 5.8 | 7.6 |
| S | .2 | 3.3 | 7.8 | 3.5 | .2 | | | | | | | 21.0 | 8.0 |
| SSW | .3 | 3.6 | 1.9 | .9 | .1 | | | | | | | 6.4 | 6.7 |
| SW | .1 | 1.1 | 1.2 | 1.5 | .2 | | | | | | | 4.1 | 9.7 |
| WSW | .1 | 1.7 | 1.7 | .8 | | | | | | | | 4.3 | 7.9 |
| W | .1 | 1.0 | 1.3 | 1.0 | .3 | | | | | | | 3.6 | 9.6 |
| WNW | | 1.0 | 2.0 | .7 | | | | | | | | 3.7 | 8.4 |
| NW | | .2 | .1 | .1 | | | | | | | | .4 | 7.3 |
| NNW | .1 | .2 | .8 | .2 | | | | | | | | 1.3 | 8.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.6 | |
| | 2.5 | 41.6 | 26.7 | 10.5 | .9 | | | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12-227 STATION AIRPORT NY STATION NAME 74-83 YEARS SEP MONTH
ALL WEATHER CLASS 000-0500 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | | 1.5 | 1.6 | .8 | | | | | | | | 3.9 | 6.1 |
| NNE | .2 | 1.3 | 1.7 | .3 | | | | | | | | 2.9 | 6.9 |
| NE | .1 | 2.6 | 1.6 | .8 | | | | | | | | 5.0 | 7.2 |
| ENE | 1.7 | 5.6 | 1.7 | .4 | | | | | | | | 6.1 | 5.5 |
| E | .7 | 6.4 | .6 | | | | | | | | | 7.6 | 4.8 |
| ESE | .2 | 1.1 | .3 | .1 | | | | | | | | 1.8 | 5.6 |
| SE | .1 | 1.1 | .4 | | | | | | | | | 1.7 | 5.5 |
| SSE | | 3.0 | 1.7 | .4 | .1 | | | | | | | 5.3 | 6.8 |
| S | .3 | 9.6 | 8.9 | 3.8 | .3 | | | | | | | 23.5 | 7.9 |
| SSW | .3 | 2.7 | 1.6 | .6 | | | | | | | | 5.1 | 6.6 |
| SW | .1 | .8 | 2.5 | 1.1 | | | | | | | | 4.5 | 6.9 |
| WSW | .1 | 1.3 | 1.1 | 1.1 | .1 | | | | | | | 3.8 | 9.0 |
| W | | .5 | 1.5 | .4 | .2 | | | | | | | 2.7 | 9.3 |
| WNW | | 1.3 | 1.7 | .6 | | | | | | | | 2.9 | 7.8 |
| NW | .1 | 1.0 | .4 | | | | | | | | | 1.6 | 6.4 |
| NNW | | .7 | .5 | .3 | | | | | | | | 1.6 | 8.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.1 | |
| | 3.3 | 40.7 | 25.7 | 10.9 | .8 | | | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS 894

NATIONAL CLIMATOLOGY BRANCH
AFSS TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 STATION NAME ALBERTA, NY YEARS 74-83 SFC MONTH SEP
CLASS ALL WEATHER
CONDITION 0600-0800
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 1.3 | 2.4 | 1.0 | | | | | | | | 5.3 | 8.3 |
| NNE | .1 | .7 | 1.8 | .4 | | | | | | | | 3.0 | 8.4 |
| NE | .3 | 2.3 | 2.4 | .7 | | | | | | | | 6.2 | 7.0 |
| ENE | .7 | 4.7 | 3.2 | .6 | .1 | | | | | | | 6.7 | 6.7 |
| E | .2 | 4.2 | .4 | | | | | | | | | 5.2 | 4.7 |
| ESE | .1 | 1.2 | .1 | | | | | | | | | 2.1 | 5.0 |
| SE | .1 | 1.3 | .1 | | | | | | | | | 1.6 | 5.0 |
| SSE | .3 | 1.3 | 1.5 | .8 | | | | | | | | 4.5 | 7.6 |
| S | .2 | 7.6 | 11.8 | 4.6 | .2 | | | | | | | 24.9 | 8.3 |
| SSW | .2 | 3.6 | 2.8 | .7 | | | | | | | | 7.6 | 6.6 |
| SW | .1 | 1.3 | 1.4 | 1.1 | | | | | | | | 4.3 | 7.9 |
| WSW | .4 | 1.3 | .9 | .9 | .3 | | | | | | | 3.8 | 8.7 |
| W | .2 | .2 | 1.4 | 1.2 | .1 | | | | | | | 3.7 | 9.7 |
| WNW | .1 | .7 | 1.4 | .2 | | | | | | | | 2.4 | 7.8 |
| NW | .7 | .7 | 1.1 | | | | | | | | | 1.8 | 7.1 |
| NNW | .1 | .6 | .8 | .1 | | | | | | | | 1.6 | 7.4 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.3 | |
| | 3.9 | 36.2 | 33.6 | 12.2 | .8 | | | | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0227 WERTUWA NY STATION NAME 74-83 YEARS SEP MONTH 1999-1100 HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | 2.2 | 2.6 | 1.3 | | | | | | | | 6.7 | 7.9 |
| NNE | | 1.1 | 3.9 | 1.9 | | | | | | | | 6.6 | 9.3 |
| NE | .1 | 1.4 | 2.3 | 1.1 | .1 | | | | | | | 5.1 | 9.0 |
| ENE | | 1.7 | 1.9 | .7 | | | | | | | | 4.2 | 7.9 |
| E | | 1.4 | .3 | .2 | | | | | | | | 2.4 | 6.4 |
| ESE | .3 | 1.2 | .3 | | | | | | | | | 1.6 | 5.3 |
| SE | | .6 | .6 | .1 | | | | | | | | 1.2 | 7.0 |
| SSE | | .6 | 1.4 | .9 | .1 | | | | | | | 3.0 | 9.7 |
| S | .3 | 3.3 | 7.6 | 4.3 | .7 | | | | | | | 16.1 | 9.6 |
| SSW | .3 | 1.3 | 7.0 | 3.8 | | | | | | | | 12.4 | 9.5 |
| SW | | 1.4 | 4.3 | 4.0 | .6 | | | | | | | 10.8 | 10.4 |
| WSW | .2 | 1.8 | 4.0 | 2.2 | 1.0 | | | | | | | 9.2 | 10.0 |
| W | | 1.4 | 2.9 | 1.8 | .4 | | | | | | | 6.6 | 9.9 |
| WNW | | 1.2 | 1.9 | 1.2 | | | | | | | | 4.2 | 8.9 |
| NW | | .7 | .7 | .4 | | | | | | | | 1.8 | 8.1 |
| NNW | | .9 | .9 | .8 | | | | | | | | 2.6 | 8.6 |
| VARBL | | | | .1 | | | | | | | | .1 | 15.0 |
| CALM | | | | | | | | | | | | 5.0 | |
| | 1.7 | 22.3 | 43.2 | 24.9 | 2.9 | | | | | | | 100.0 | 8.7 |

TOTAL NUMBER OF OBSERVATIONS 920

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 700227 WATERLOO NY STATION NAME 74-63 YEARS SEP MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 2.1 | 2.9 | 1.7 | .1 | | | | | | | 6.9 | 8.6 |
| NNE | | 1.2 | 2.2 | 2.3 | | | | | | | | 6.3 | 9.7 |
| NE | | .7 | 1.9 | 1.0 | | | | | | | | 3.6 | 9.3 |
| ENE | .1 | .5 | 1.3 | .3 | | | | | | | | 2.3 | 8.3 |
| E | .1 | .4 | .3 | | | | | | | | | .9 | 6.4 |
| ESE | .1 | .2 | .7 | | | | | | | | | 1.0 | 6.9 |
| SE | | .7 | .6 | | | | | | | | | 1.2 | 6.7 |
| SSE | | .7 | 1.2 | .6 | | | | | | | | 2.4 | 8.7 |
| S | | .5 | 3.3 | 4.3 | .6 | .1 | | | | | | 4.1 | 11.6 |
| SSW | .1 | .3 | 3.5 | 4.9 | .1 | | | | | | | 9.4 | 10.9 |
| SW | .1 | .9 | 6.2 | 6.7 | .4 | .1 | | | | | | 14.3 | 11.2 |
| WSW | | 2.3 | 7.2 | 9.3 | .9 | .1 | | | | | | 19.9 | 11.2 |
| W | .1 | 1.2 | 5.9 | 3.7 | 1.0 | | | | | | | 12.1 | 10.4 |
| WNW | | 1.0 | .7 | .7 | .2 | | | | | | | 2.6 | 9.2 |
| NW | .3 | .6 | 1.2 | .3 | .1 | | | | | | | 2.6 | 8.3 |
| NNW | .1 | .9 | 1.3 | .2 | | | | | | | | 2.6 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.9 | |
| | 1.3 | 14.9 | 41.1 | 36.0 | 3.4 | .3 | | | | | | 100.0 | 9.9 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVIC./MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

126227 STATION NAME WATERLOO NY 74-83 YEARS SEP MONTH 1990-1990 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 2.3 | 3.3 | .9 | | | | | | | | 7.1 | 7.7 |
| NNE | .1 | 1.4 | 2.2 | 1.3 | | | | | | | | 5.6 | 8.4 |
| NE | .1 | 1.3 | 1.4 | .9 | | | | | | | | 3.4 | 8.5 |
| ENE | | .9 | 1.1 | .1 | | | | | | | | 2.0 | 7.3 |
| E | .1 | .6 | .4 | | | | | | | | | 1.1 | 5.8 |
| ESE | | .2 | .2 | | | | | | | | | .4 | 7.5 |
| SE | | .2 | 1.2 | | | | | | | | | 1.2 | 8.0 |
| SSE | | .3 | 1.2 | .3 | | | | | | | | 1.7 | 9.5 |
| S | | 2.0 | 3.6 | 2.1 | .2 | | | | | | | 8.1 | 9.1 |
| SSW | | 1.2 | 3.4 | 1.6 | | | | | | | | 6.2 | 9.1 |
| SW | | 2.6 | 7.4 | 6.7 | 1.4 | | | | | | | 15.1 | 10.5 |
| WSW | | 2.8 | 11.8 | 7.6 | 1.6 | | | | | | | 23.7 | 10.4 |
| W | .1 | 3.3 | 3.8 | 2.9 | .6 | | | | | | | 10.3 | 9.5 |
| WNW | | .6 | 1.0 | .2 | | | | | | | | 1.6 | 7.8 |
| NW | .1 | .8 | .7 | .4 | | | | | | | | 2.0 | 7.6 |
| NNW | | 1.4 | 1.1 | .6 | .1 | | | | | | | 3.2 | 7.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .8 | |
| | .7 | 21.8 | 44.3 | 25.6 | 3.9 | | | | | | | 100.0 | 9.9 |

TOTAL NUMBER OF OBSERVATIONS 900

U.S. AIR FORCE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14-227 STATION NAME AIRPORT NY YEARS 74-83 MONTH SEP
CLASS ALL WEATHER
CONDITION _____
HOURS (L.S.T.) 1800-2000

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 2.3 | 1.3 | .8 | | | | | | | | 5.3 | 7.3 |
| NNE | .2 | 1.4 | 1.6 | .3 | | | | | | | | 3.6 | 7.1 |
| NE | .2 | 1.2 | 1.9 | .2 | | | | | | | | 3.6 | 7.1 |
| ENE | .2 | 3.1 | 1.4 | .2 | | | | | | | | 5.0 | 6.4 |
| E | .3 | 4.8 | .7 | | | | | | | | | 5.8 | 5.0 |
| ESE | .4 | 1.8 | .2 | .2 | | | | | | | | 2.7 | 5.5 |
| SE | .3 | 2.0 | .7 | | | | | | | | | 3.0 | 5.6 |
| SSE | .2 | 2.7 | 1.1 | .6 | | | | | | | | 4.6 | 6.6 |
| S | .3 | 10.2 | 5.1 | .9 | .1 | | | | | | | 17.1 | 6.3 |
| SSW | .1 | 4.1 | 2.7 | .6 | | | | | | | | 7.4 | 6.7 |
| SW | .2 | 3.6 | 3.7 | 1.6 | | | | | | | | 9.0 | 7.6 |
| WSW | | 1.3 | 3.2 | 3.9 | .4 | | | | | | | 8.9 | 10.6 |
| W | .1 | 1.1 | 1.4 | 1.8 | .6 | .1 | | | | | | 5.1 | 10.7 |
| WNW | | .7 | .7 | .4 | | | | | | | | 1.4 | 8.5 |
| NW | | .3 | .3 | .3 | | | | | | | | 1.4 | 9.6 |
| NNW | .1 | .3 | .4 | .1 | | | | | | | | 1.0 | 7.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.6 | |
| | 7.1 | 41.4 | 27.3 | 11.9 | 1.1 | .1 | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE / MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

104227 STATION AIRPORT NY STATION NAME 74-83 YEARS SEP MONTH
ALL WEATHER CLASS 100-2300 HOURS (L.R.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .5 | 1.6 | 1.9 | .3 | | | | | | | | 4.0 | 7.3 |
| NNE | .5 | 2.6 | .7 | .1 | | | | | | | | 3.6 | 5.6 |
| NE | .7 | 2.1 | .9 | .6 | | | | | | | | 3.9 | 6.5 |
| ENE | 1.1 | 1.1 | 1.7 | .1 | | | | | | | | 6.0 | 5.4 |
| E | .7 | 9.3 | .7 | .1 | | | | | | | | 10.8 | 4.9 |
| ESE | .5 | 1.7 | .4 | .2 | | | | | | | | 2.0 | 5.9 |
| SE | .2 | 1.4 | .4 | .2 | | | | | | | | 2.3 | 5.9 |
| SSE | | 3.0 | 1.2 | .7 | .1 | | | | | | | 5.6 | 7.2 |
| S | .6 | 9.7 | 7.7 | 2.7 | .1 | | | | | | | 20.7 | 7.3 |
| SSW | .7 | 3.2 | 1.4 | .3 | | | | | | | | 5.3 | 6.2 |
| SW | .1 | 1.3 | .3 | .4 | | | | | | | | 2.7 | 7.2 |
| WSW | .1 | 1.7 | 2.7 | 1.6 | .1 | | | | | | | 5.4 | 8.7 |
| W | | .7 | 1.6 | 2.4 | .7 | | | | | | | 5.3 | 11.7 |
| WNW | .1 | .1 | 1.4 | .7 | .2 | | | | | | | 2.6 | 10.3 |
| NW | | .3 | .3 | | | | | | | | | 1.1 | 6.8 |
| NNW | | .8 | .3 | | | | | | | | | 1.1 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.7 | |
| | 4.7 | 43.9 | 24.4 | 10.4 | 1.2 | | | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS 900

U.S. AIR FORCE
CLIMATE BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 AIRPORT NY STATION NAME 74-83 YEARS SEP MONTH
ALL WEATHERED CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 2.1 | 2.3 | .9 | .0 | | | | | | | 5.4 | 7.8 |
| NNE | .1 | 1.1 | 1.1 | .9 | .0 | | | | | | | 4.4 | 6.1 |
| NE | .1 | 1.1 | 1.1 | .9 | .0 | | | | | | | 4.5 | 7.7 |
| ENE | .1 | 3.5 | 1.5 | .3 | .0 | | | | | | | 5.8 | 6.2 |
| E | .1 | 4.2 | .5 | .0 | | | | | | | | 5.1 | 5.0 |
| ESE | .1 | 1.2 | .3 | .1 | | | | | | | | 1.7 | 5.4 |
| SE | .1 | 1.1 | .5 | .1 | | | | | | | | 1.8 | 6.2 |
| SSE | .1 | 1.1 | 1.5 | .6 | .0 | | | | | | | 4.1 | 7.7 |
| S | .1 | 6.4 | 7.1 | 1.3 | .3 | .0 | | | | | | 17.4 | 8.2 |
| SSW | .1 | 2.6 | 3.7 | 1.6 | .0 | | | | | | | 7.5 | 8.1 |
| SW | .1 | 1.7 | 3.5 | 2.9 | .3 | .0 | | | | | | 6.5 | 9.8 |
| WSW | .1 | 1.8 | 4.7 | 3.4 | .6 | .0 | | | | | | 9.9 | 10.2 |
| W | .1 | 1.2 | 2.5 | 1.9 | .5 | .0 | | | | | | 6.2 | 10.1 |
| WNW | .1 | .8 | 1.3 | .6 | .1 | | | | | | | 2.7 | 8.6 |
| NW | .1 | .6 | .7 | .2 | .0 | | | | | | | 1.6 | 7.7 |
| NNW | .1 | .7 | .9 | .3 | .0 | | | | | | | 1.9 | 7.7 |
| VARBL | | | | .0 | | | | | | | | .0 | 15.0 |
| CALM | | | | | | | | | | | | 11.5 | |
| | 2.7 | 32.8 | 33.2 | 17.8 | 1.9 | .1 | | | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 7186

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10-227 STATION AIRPORT NY STATION NAME 74-83 YEARS OCT MONTH
ALL WEATHER CLASS 1800-0200 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .2 | 1.6 | 1.7 | .6 | .1 | | | | | | | 4.3 | 7.9 |
| NNE | | 1.1 | 1.4 | .5 | .1 | | | | | | | 3.1 | 8.6 |
| NE | .3 | 2.7 | 2.3 | .6 | | | | | | | | 5.7 | 7.1 |
| ENE | .4 | 6.0 | 1.5 | | | | | | | | | 8.1 | 5.4 |
| E | .9 | 6.3 | .5 | | | | | | | | | 7.1 | 4.7 |
| ESE | .2 | 1.5 | .4 | | | | | | | | | 2.2 | 4.9 |
| SE | .1 | 1.4 | 1.0 | | | | | | | | | 2.5 | 6.1 |
| SSE | .4 | 1.5 | 1.7 | .3 | | | | | | | | 4.0 | 7.2 |
| S | .3 | 4.8 | 6.9 | 4.6 | .5 | | | | | | | 17.2 | 6.9 |
| SSW | .2 | 1.0 | 2.5 | .9 | | | | | | | | 4.6 | 8.4 |
| SW | .4 | .5 | 1.9 | 2.0 | .3 | | | | | | | 5.3 | 10.4 |
| WSW | .1 | .9 | .9 | 1.4 | 1.1 | .1 | | | | | | 4.4 | 12.3 |
| W | | 1.1 | 1.2 | 3.2 | .8 | | | | | | | 7.0 | 11.3 |
| WNW | | .4 | 1.5 | 1.3 | .3 | | | | | | | 3.5 | 10.2 |
| NW | | 1.2 | 1.2 | .5 | | | | | | | | 2.7 | 7.6 |
| NNW | | .5 | .3 | | | | | | | | | .9 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.5 | |
| | 3.3 | 34.2 | 27.3 | 16.1 | 3.2 | .1 | | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74-27 STATION 74-83 STATION NAME ALL WEATHER CLASS 74-83 MONTH 0700-2500 HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 1.8 | 1.5 | .5 | .1 | .1 | | | | | | 4.2 | 7.8 |
| NNE | .3 | .2 | 2.6 | .9 | .1 | | | | | | | 4.0 | 9.4 |
| NE | .2 | 2.7 | 2.2 | .6 | | | | | | | | 5.1 | 7.4 |
| ENE | .9 | 5.2 | .9 | .2 | | | | | | | | 7.1 | 5.4 |
| E | .5 | 7.6 | .8 | | | | | | | | | 8.9 | 4.8 |
| ESE | .2 | .6 | .3 | | | | | | | | | 1.2 | 5.2 |
| SE | .4 | .4 | .6 | .4 | | | | | | | | 1.9 | 7.2 |
| SSE | .6 | 1.8 | 2.6 | .8 | .2 | | | | | | | 6.0 | 7.7 |
| S | .4 | 4.4 | 7.4 | 3.1 | .4 | | | | | | | 15.6 | 8.6 |
| SSW | .3 | 1.6 | 1.6 | 1.6 | | | | | | | | 5.3 | 8.1 |
| SW | .1 | .4 | 1.5 | 1.2 | .6 | | | | | | | 4.0 | 11.4 |
| WSW | .7 | .6 | 2.5 | .9 | 1.2 | .1 | | | | | | 5.5 | 11.3 |
| W | | 1.0 | 1.8 | 2.7 | .9 | | | | | | | 6.3 | 12.1 |
| WNW | .1 | .3 | 1.8 | .8 | | | | | | | | 3.4 | 6.6 |
| NW | .1 | .6 | 1.4 | .1 | | | | | | | | 2.3 | 7.5 |
| NNW | | .2 | .1 | | | | | | | | | .3 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.7 | |
| | 8.6 | 29.5 | 29.6 | 13.8 | 3.7 | .2 | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10227 STATION NAME ALEUTON, AK YEARS 74-83
CLASS ALL WEATHER
CONDITION
OCT MONTH
1400-0600 HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 2.0 | 2.0 | 1.3 | .1 | | | | | | | 5.7 | 8.2 |
| NNE | .1 | 1.7 | 1.3 | .2 | | | | | | | | 3.2 | 6.9 |
| NE | .1 | 2.3 | 2.4 | 1.2 | .1 | | | | | | | 5.2 | 8.1 |
| ENE | .4 | 7.1 | 1.1 | .5 | | | | | | | | 9.1 | 5.5 |
| E | .5 | 6.3 | .5 | | | | | | | | | 7.5 | 4.8 |
| ESE | .3 | 1.0 | .2 | .1 | | | | | | | | 1.6 | 5.3 |
| SE | .1 | 1.5 | .9 | .1 | | | | | | | | 2.6 | 6.1 |
| SSE | .1 | .6 | 1.5 | 1.1 | .2 | | | | | | | 3.7 | 9.7 |
| S | .1 | 4.6 | 8.6 | 4.7 | .4 | | | | | | | 18.6 | 9.0 |
| SSW | .3 | 2.2 | 1.3 | 1.1 | | | | | | | | 4.4 | 8.1 |
| SW | .1 | .5 | 1.3 | 1.2 | | | | | | | | 3.1 | 10.0 |
| WSW | | .3 | .9 | 1.4 | 1.0 | | | | | | | 3.5 | 12.7 |
| W | .1 | .9 | 1.4 | 2.7 | 1.3 | | | | | | | 6.3 | 12.2 |
| WNW | .1 | .9 | 2.2 | 1.8 | .2 | | | | | | | 5.2 | 10.3 |
| NW | .1 | .2 | .3 | .4 | | | | | | | | 1.6 | 8.8 |
| NNW | | .2 | .2 | .2 | | | | | | | | 1.2 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.8 | |
| | 3.1 | 32.6 | 27.6 | 18.1 | 3.3 | | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 931

U.S. AIR FORCE CLIMATE BRANCH
 AFM 7-10.1
 AIR FORCE SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 ALBANY, NY STATION NAME 74-23 YEARS 1952-1953 MONTH 1952-1953
 CLASS ALL WEATHER
 HOURS (L.S.T.) 1952-1953
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .4 | 2.3 | 2.7 | 2.8 | .1 | | | | | | | 7.6 | 9.0 |
| NNE | .1 | 1.4 | 2.9 | 2.2 | .1 | | | | | | | 1.4 | 9.1 |
| NE | | 2.3 | 1.7 | .6 | .6 | | | | | | | 2.4 | 9.0 |
| ENE | .1 | 2.4 | 3.3 | .3 | | | | | | | | 2.1 | 7.4 |
| E | .1 | 1.4 | .6 | | | | | | | | | 1.4 | 5.6 |
| ESE | .1 | .4 | .3 | | | | | | | | | 1.3 | 7.4 |
| SE | | .9 | .8 | .1 | | | | | | | | 1.6 | 7.3 |
| SSE | | .5 | 1.5 | 1.1 | .1 | | | | | | | 2.2 | 10.5 |
| S | .1 | 2.3 | 7.7 | 4.8 | 1.0 | | | | | | | 11.6 | 10.1 |
| SSW | | 1.6 | 4.3 | 3.3 | .1 | | | | | | | 2.4 | 9.6 |
| SW | | .5 | 2.6 | 3.7 | .6 | | | | | | | 7.5 | 11.8 |
| WSW | | 1.1 | 1.4 | 3.7 | .5 | .3 | | | | | | 5.6 | 11.8 |
| W | .1 | 1.1 | 1.3 | 3.7 | 1.8 | | | | | | | 2.5 | 12.5 |
| WNW | .1 | .6 | 2.7 | 1.8 | .4 | | | | | | | 5.9 | 10.3 |
| NW | | .6 | 2.0 | .5 | .1 | | | | | | | 3.3 | 9.1 |
| NNW | .1 | 1.2 | 1.2 | .3 | | | | | | | | 2.6 | 7.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.0 | |
| | 1.3 | 20.9 | 37.1 | 28.3 | 5.6 | .3 | | | | | | 100.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 933

JOINT CLIMATOLOGY BRANCH
USAFETAC
METEOROLOGICAL SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 227 STATION NAME AIRPORT, NY YEARS 74-84 MONTH OCT
 CLASS ALL WEATHER HOURS (L.S.T.) 1000-1400
 CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | 1.2 | 6.7 | 2.3 | .2 | | | | | | | 1.4 | 9.2 |
| NNE | | .6 | 2.5 | 1.3 | .4 | | | | | | | 4.8 | 10.1 |
| NE | .1 | 1.6 | 1.5 | 1.5 | .6 | | | | | | | 2.5 | 9.0 |
| ENE | | .7 | 1.4 | .2 | | | | | | | | 2.3 | 7.5 |
| E | | 1.1 | .1 | .2 | | | | | | | | 1.9 | 6.4 |
| ESE | | .4 | .2 | .1 | | | | | | | | .8 | 6.7 |
| SE | .1 | .2 | .5 | .1 | | | | | | | | 1.3 | 7.4 |
| SSE | | .4 | .6 | .6 | .2 | | | | | | | 1.9 | 10.1 |
| S | | 2.7 | 4.6 | 3.7 | .5 | .1 | | | | | | 11.6 | 10.2 |
| SSW | .1 | .3 | 3.2 | 3.2 | .5 | | | | | | | 7.6 | 11.2 |
| SW | | .6 | 2.7 | 5.7 | 1.2 | .1 | | | | | | 11.6 | 12.4 |
| WSW | .1 | 1.6 | 6.1 | 5.9 | 2.3 | .4 | | | | | | 11.5 | 11.7 |
| W | .1 | 1.6 | 4.6 | 6.3 | 1.2 | .1 | | | | | | 14.0 | 11.1 |
| WNW | .1 | .2 | 1.1 | 1.2 | | | | | | | | 2.6 | 10.3 |
| NW | | .4 | 1.2 | .6 | | | | | | | | 2.3 | 9.1 |
| NNW | .1 | .5 | 1.9 | .8 | | | | | | | | 3.4 | 8.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.9 | |
| | .3 | 15.8 | 39.7 | 33.8 | 7.2 | .8 | | | | | | 101.0 | 10.3 |

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
 AFMSTAC
 AIR FORCE SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1027 STATION NAME ALBERTON, NY YEARS 74-83 MONTH OCT
 CLASS ALL LEATHER
 HOURS 1600-1700
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | 3.2 | 4.8 | 1.8 | | .1 | | | | | | 10.2 | 8.4 |
| NNE | | 1.2 | 3.3 | 1.0 | .3 | | | | | | | 5.8 | 9.2 |
| NE | .1 | .4 | 1.7 | .9 | | | | | | | | 3.3 | 8.6 |
| ENE | .3 | 1.2 | .9 | .5 | .1 | | | | | | | 3.5 | 7.2 |
| E | | 1.2 | .3 | | | | | | | | | 1.5 | 6.3 |
| ESE | | .2 | .3 | | | | | | | | | .5 | 6.8 |
| SE | .1 | .4 | .2 | .1 | | | | | | | | 1.1 | 6.5 |
| SSE | .1 | .3 | 1.4 | .9 | .1 | | | | | | | 2.8 | 9.9 |
| S | .4 | 2.8 | 4.4 | 1.8 | .3 | | | | | | | 5.8 | 8.5 |
| SSW | .1 | 1.5 | 3.3 | 1.4 | | | | | | | | 6.5 | 8.4 |
| SW | .1 | 1.7 | 4.7 | 4.5 | .5 | .1 | | | | | | 11.7 | 10.4 |
| WSW | .3 | 3.3 | 5.1 | 5.9 | 1.9 | .3 | | | | | | 16.9 | 11.1 |
| W | .2 | 2.9 | 4.4 | 4.1 | .6 | .1 | | | | | | 12.4 | 10.1 |
| WNW | .2 | .8 | 1.5 | 1.6 | .1 | | | | | | | 4.2 | 9.2 |
| NW | | .6 | 1.7 | .3 | .1 | | | | | | | 2.0 | 8.6 |
| NNW | | 1.2 | 1.7 | .6 | | | | | | | | 3.5 | 8.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 | |
| | 2.4 | 24.1 | 39.0 | 25.5 | 4.2 | .6 | | | | | | 100.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 93

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WATERTOWN NY STATION NAME 74-63 YEARS CC1
MONTH 1500-2000
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 2.5 | 2.8 | 1.0 | | | | | | | | 6.6 | 7.6 |
| NNE | | 2.4 | 1.5 | 1.3 | .2 | | | | | | | 5.4 | 8.3 |
| NE | .3 | 1.9 | 2.2 | .5 | .1 | | | | | | | 5.1 | 7.3 |
| ENE | | 2.9 | 1.6 | .1 | | | | | | | | 4.6 | 6.4 |
| E | .4 | 4.9 | 1.2 | | | | | | | | | 6.8 | 5.1 |
| ESE | .3 | 2.2 | .3 | | | | | | | | | 3.0 | 4.9 |
| SE | .2 | 2.7 | .4 | | | | | | | | | 3.3 | 5.2 |
| SSE | .5 | 2.5 | 1.4 | .2 | .8 | | | | | | | 5.1 | 7.1 |
| S | 1.7 | 6.3 | 3.7 | 1.5 | .3 | .2 | | | | | | 13.0 | 7.3 |
| SSW | .2 | 1.6 | 1.6 | .6 | | | | | | | | 4.1 | 7.4 |
| SW | | 1.7 | 1.7 | 1.7 | .5 | .1 | | | | | | 5.6 | 10.0 |
| WSW | .1 | 1.4 | 3.7 | 3.5 | 1.0 | | | | | | | 9.0 | 11.0 |
| W | | .4 | 1.5 | 3.1 | 1.0 | .1 | | | | | | 4.1 | 13.2 |
| WNW | | 1.0 | 2.0 | 1.0 | .1 | | | | | | | 4.1 | 9.0 |
| NW | | .8 | 2.2 | .6 | .1 | | | | | | | 3.7 | 8.9 |
| NNW | | 1.2 | .4 | .5 | | | | | | | | 2.2 | 8.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.3 | |
| | 3.8 | 36.3 | 27.5 | 15.8 | 3.8 | .4 | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10-27 AIRPORT NY STATION NAME 74-83 YEARS OCT MONTH
CLASS ALL WEATHER
HOURS (L.S.T.) 0100-2300

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 2.1 | 2.4 | .8 | .1 | | | | | | | 6.5 | 7.6 |
| NNE | .1 | 1.3 | 1.7 | .9 | .2 | | | | | | | 3.9 | 9.1 |
| NE | .1 | 2.2 | 1.7 | 1.2 | .1 | | | | | | | 4.5 | 8.7 |
| ENE | .4 | 5.7 | 1.9 | | | | | | | | | 6.7 | 5.7 |
| E | .3 | 6.6 | 1.4 | | | | | | | | | 8.8 | 5.1 |
| ESE | .3 | 2.7 | | | | | | | | | | 2.3 | 4.5 |
| SE | .3 | 1.8 | .4 | .2 | | | | | | | | 2.8 | 5.7 |
| SSE | .3 | 2.8 | 1.3 | 1.2 | | | | | | | | 5.7 | 6.9 |
| S | 1.7 | 3.3 | 5.4 | 2.8 | .5 | | | | | | | 13.0 | 8.5 |
| SSW | .1 | 1.2 | 1.2 | 1.2 | | | | | | | | 4.4 | 8.5 |
| SW | | 1.7 | 1.3 | 1.5 | .5 | .1 | | | | | | 4.4 | 11.2 |
| WSW | | 1.9 | 1.1 | 2.6 | 1.7 | | | | | | | 6.9 | 12.0 |
| W | .1 | 1.2 | 2.3 | 2.7 | .8 | | | | | | | 7.6 | 10.3 |
| WNW | | .4 | 2.6 | .8 | .6 | | | | | | | 4.4 | 10.7 |
| NW | | .6 | 1.3 | .3 | .1 | | | | | | | 2.4 | 9.2 |
| NNW | .2 | .7 | 1.7 | .6 | | | | | | | | 2.7 | 8.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.4 | |
| | 4.1 | 34.2 | 26.8 | 16.7 | 4.7 | .1 | | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

300227 STATION NAME AIRTOWN NY 74-83 YEARS OCT MONTH
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 2.2 | 2.2 | 1.4 | .1 | .0 | | | | | | 6.8 | 8.4 |
| NNE | .1 | 1.2 | 2.2 | 1.2 | .2 | | | | | | | 4.7 | 8.9 |
| NE | .3 | 2.0 | 1.9 | .9 | .2 | | | | | | | 5.1 | 8.1 |
| ENE | .5 | 4.0 | 1.6 | .2 | .0 | | | | | | | 6.1 | 6.0 |
| E | .5 | 4.7 | .7 | .3 | | | | | | | | 5.9 | 5.0 |
| ESE | .3 | 1.7 | .3 | .0 | | | | | | | | 1.6 | 5.3 |
| SE | .3 | 1.2 | .6 | .1 | | | | | | | | 2.2 | 6.2 |
| SSE | .3 | 1.3 | 1.5 | .8 | .2 | | | | | | | 4.0 | 8.2 |
| S | .5 | 3.2 | 6.0 | 3.4 | .5 | .0 | | | | | | 14.3 | 6.9 |
| SSW | .1 | 1.4 | 2.5 | 1.7 | .1 | | | | | | | 5.9 | 9.0 |
| SW | .1 | .9 | 2.3 | 2.7 | .6 | .1 | | | | | | 6.6 | 11.1 |
| WSW | .1 | 1.3 | 2.6 | 3.1 | 1.3 | .2 | | | | | | 6.7 | 11.6 |
| W | .1 | 1.3 | 2.5 | 3.6 | 1.0 | .0 | | | | | | 8.5 | 11.5 |
| WNW | .1 | .6 | 1.9 | 1.3 | .2 | | | | | | | 4.2 | 9.9 |
| NW | .1 | .6 | 1.4 | .4 | .1 | | | | | | | 2.5 | 8.7 |
| NNW | .1 | .7 | .9 | .4 | | | | | | | | 2.1 | 7.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.9 | |
| | 3.1 | 28.4 | 31.9 | 21.0 | 4.5 | .3 | | | | | | 100.0 | 7.9 |

TOTAL NUMBER OF OBSERVATIONS 7440

U.S. AIR FORCE CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

75-27 STATION NAME AIRPORT 3 NY 74-83 YEARS NOV MONTH 1980-0200 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | | 1.3 | 1.7 | 1.3 | | | | | | | | 4.9 | 8.5 |
| NNE | | 1.2 | 1.2 | .7 | | | | | | | | 3.1 | 8.3 |
| NE | .1 | 3.6 | 7.6 | .3 | | | | | | | | 7.6 | 6.9 |
| ENE | .4 | 3.2 | 2.1 | .8 | | | | | | | | 6.7 | 6.6 |
| E | .2 | 5.2 | 1.1 | .1 | | | | | | | | 6.7 | 5.6 |
| ESE | | 1.2 | .2 | | | | | | | | | 1.4 | 5.1 |
| SE | .3 | 1.4 | 1.7 | .3 | | | | | | | | 3.1 | 6.5 |
| SSE | .3 | 1.2 | .4 | 1.2 | .1 | | | | | | | 3.3 | 8.7 |
| S | .3 | 4.0 | 7.2 | 4.7 | .8 | | | | | | | 16.9 | 9.6 |
| SSW | | 1.4 | 1.3 | 1.4 | .2 | | | | | | | 3.0 | 9.4 |
| SW | .3 | 1.1 | 1.9 | 1.9 | .2 | | | | | | | 5.3 | 10.0 |
| WSW | .1 | 1.0 | 1.8 | 2.2 | 1.3 | .3 | .2 | | | | | 7.0 | 13.1 |
| W | | 1.3 | 2.6 | 2.9 | 1.6 | .1 | | | | | | 6.4 | 11.9 |
| WNW | .1 | 1.4 | 1.9 | 1.4 | .1 | .1 | | | | | | 5.1 | 9.2 |
| NW | .1 | .8 | 1.3 | .9 | .2 | | | | | | | 3.3 | 9.2 |
| NNW | | .8 | 1.1 | .2 | .1 | | | | | | | 2.2 | 8.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.9 | |
| | 2.3 | 30.9 | 31.0 | 20.4 | 4.7 | .6 | .2 | | | | | 100.5 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS 920

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11-227 STATION ALBANY, NY STATION NAME ALBANY, NY YEARS 74-83 MONTH NOV
CLASS ALL WEATHER
CONDITION 0300-0500
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.5 | 2.2 | 1.1 | .1 | | | | | | | 5.1 | 8.2 |
| NNE | .3 | 1.7 | 1.4 | 1.2 | | | | | | | | 4.4 | 7.7 |
| NE | .7 | 3.3 | 2.2 | .3 | | | | | | | | 5.8 | 6.7 |
| ENE | .4 | 4.3 | 1.2 | .3 | | | | | | | | 7.0 | 6.2 |
| E | .6 | 5.3 | 1.4 | .1 | | | | | | | | 7.2 | 5.6 |
| ESE | .2 | .8 | .2 | | | | | | | | | 1.2 | 5.2 |
| SE | .1 | .3 | .1 | .4 | | | | | | | | 1.4 | 7.1 |
| SSE | .1 | 1.7 | 1.1 | 1.7 | | .1 | | | | | | 4.7 | 8.8 |
| S | | 3.9 | 7.6 | 4.4 | .4 | | | | | | | 16.3 | 9.3 |
| SSW | .1 | 1.6 | .9 | .7 | .2 | | | | | | | 3.6 | 8.2 |
| SW | | .7 | 1.8 | .7 | .2 | | | | | | | 3.3 | 9.4 |
| WSW | | 1.4 | 1.3 | 4.2 | 1.2 | .6 | | | | | | 9.2 | 12.8 |
| W | .1 | 1.8 | 3.2 | 4.1 | 1.3 | | | | | | | 1.6 | 11.3 |
| WNW | | 1.1 | 2.2 | .4 | .4 | | | | | | | 4.0 | 9.6 |
| NW | .1 | .9 | 1.3 | .6 | | | | | | | | 2.9 | 8.1 |
| NNW | .1 | 1.0 | .4 | .2 | | | | | | | | 1.8 | 6.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.4 | |
| | 2.4 | 11.7 | 29.4 | 2.3 | 4.0 | .7 | | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS 900

U.S. AIR FORCE
 AIRCRAFT
 AIRCRAFT SERVICE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 007 STATION NAME ALBERTON, NY YEARS 74-83 MONTH NOV
 CLASS ALL WEATHER
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 2.1 | 1.7 | 1.3 | .1 | | | | | | | 5.2 | 8.6 |
| NNE | | 1.2 | 1.4 | .7 | | | | | | | | 3.3 | 6.1 |
| NE | .3 | 2.1 | 2.3 | .7 | | | | | | | | 3.3 | 7.3 |
| ENE | .3 | 4.3 | 2.7 | .3 | | | | | | | | 1.7 | 6.4 |
| E | .3 | 4.9 | 1.1 | | | | | | | | | 6.6 | 5.2 |
| ESE | .3 | 1.1 | .3 | .1 | .2 | | | | | | | 2.1 | 6.9 |
| SE | .1 | .7 | .3 | .3 | | | | | | | | 1.4 | 6.9 |
| SSE | .1 | 1.1 | .7 | 1.1 | .3 | | | | | | | 3.3 | 9.4 |
| S | .1 | 4.1 | 7.3 | 4.6 | 1.1 | | | | | | | 17.1 | 9.5 |
| SSW | .3 | 2.1 | 1.3 | 1.6 | | | | | | | | 3.2 | 6.1 |
| SW | | .9 | .9 | 1.1 | .4 | | | | | | | 3.3 | 10.7 |
| WSW | | .8 | 2.5 | 3.7 | 1.6 | .3 | | | | | | 6.9 | 12.4 |
| W | .1 | 1.6 | 2.1 | 4.2 | .9 | .1 | | | | | | 9.0 | 11.7 |
| WNW | .1 | .4 | 2.1 | 1.4 | .4 | | | | | | | 4.6 | 10.3 |
| NW | | .3 | 1.9 | .4 | .1 | | | | | | | 3.2 | 8.6 |
| NNW | .1 | .6 | .4 | .2 | | | | | | | | 1.3 | 7.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.3 | |
| | 2.7 | 28.7 | 28.9 | 21.8 | 5.2 | .4 | | | | | | 100.0 | 8.0 |

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 174227 STATION NAME AIRPORT NY YEARS 74-83 MONTH NOV
CLASS ALL WEATHER HOURS (L.S.T.) 000-1100
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | 1.3 | 3.1 | 1.2 | | | | | | | | 5.3 | 8.2 |
| NNE | .1 | 1.3 | 2.1 | 1.3 | | | | | | | | 5.6 | 8.5 |
| NE | .2 | 1.4 | 2.3 | 1.3 | | | | | | | | 5.4 | 8.7 |
| ENE | .2 | 3.3 | 3.3 | 1.2 | .1 | | | | | | | 6.2 | 7.7 |
| E | .1 | 2.3 | .4 | .1 | | | | | | | | 2.2 | 5.6 |
| ESE | .1 | .6 | .6 | .4 | | | | | | | | 1.7 | 7.9 |
| SE | | .7 | .5 | | | | | | | | | .9 | 7.5 |
| SSE | | .6 | .7 | .5 | .4 | .1 | | | | | | 2.9 | 10.9 |
| S | | 3.3 | 6.6 | 6.7 | 1.6 | .2 | | | | | | 18.3 | 10.7 |
| SSW | | .8 | 2.9 | 2.2 | .2 | | | | | | | 6.1 | 10.4 |
| SW | | .8 | 1.9 | 2.7 | 1.2 | .1 | | | | | | 6.7 | 12.5 |
| WSW | .2 | .5 | 1.1 | 3.6 | 1.6 | .3 | | | | | | 7.6 | 13.1 |
| W | .2 | 1.5 | 1.5 | 4.2 | 1.6 | | | | | | | 11.9 | 12.1 |
| WNW | | .2 | 2.4 | 2.9 | .2 | | | | | | | 6.4 | 10.5 |
| NW | | .2 | 1.1 | .2 | .1 | | | | | | | 2.7 | 9.9 |
| NNW | .1 | .3 | 1.6 | 1.3 | .2 | | | | | | | 4.6 | 10.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.8 | |
| | 1.3 | 21.2 | 32.1 | 32.3 | 7.2 | .8 | | | | | | 100.0 | 9.7 |

TOTAL NUMBER OF OBSERVATIONS 900

1. AL CLIMATELOGY STATION
2. STATION
3. AT FATHER SERVICE/STAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0227 STATION NAME ALBERTOWN, NY YEARS 74-83 MONTH NOV
CLASS ALL WEATHER
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | 2.3 | 2.9 | .7 | .1 | | | | | | | 6.7 | 7.4 |
| NNE | .1 | 1.0 | 2.7 | .8 | .1 | | | | | | | 4.7 | 8.6 |
| NE | | .4 | 2.9 | 1.7 | | | | | | | | 5.1 | 9.3 |
| ENE | | 1.2 | 2.1 | .7 | .1 | | | | | | | 4.1 | 8.5 |
| E | .2 | .2 | 1.1 | .2 | | | | | | | | 2.3 | 7.4 |
| ESE | | .1 | .3 | .3 | | | | | | | | 1.3 | 8.9 |
| SE | | .3 | .3 | .6 | | | | | | | | 1.6 | 9.1 |
| SSE | | .3 | 1.1 | .6 | .2 | | | | | | | 2.2 | 10.2 |
| S | .1 | 1.6 | 4.9 | 4.8 | 1.1 | | | | | | | 12.4 | 11.0 |
| SSW | .1 | 1.0 | 3.7 | 3.7 | .2 | | | | | | | 8.7 | 10.6 |
| SW | | 1.0 | 3.7 | 4.3 | 2.1 | | | | | | | 10.4 | 12.6 |
| WSW | | 1.2 | 2.3 | 4.4 | 3.9 | .3 | | | | | | 12.7 | 13.4 |
| W | | 1.8 | 3.4 | 6.9 | 1.4 | .1 | | | | | | 13.7 | 11.9 |
| WNW | | 1.3 | 2.1 | 1.9 | .2 | | | | | | | 5.2 | 10.4 |
| NW | | .3 | 1.6 | 1.0 | | | | | | | | 2.9 | 9.9 |
| NNW | .1 | 1.1 | 1.4 | .9 | | | | | | | | 3.6 | 8.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.2 | |
| | .2 | 16.2 | 37.3 | 33.3 | 9.6 | .4 | | | | | | 100.0 | 10.5 |

TOTAL NUMBER OF OBSERVATIONS 900

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 STATION NAME AIRPORT NY YEARS 74-83 MONTH NOV
CLASS ALL WEATHER
CONDITION 1500-1700
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.7 | 2.4 | .3 | .2 | .1 | | | | | | 4.9 | 8.4 |
| NNE | | 1.2 | 2.1 | .6 | | | | | | | | 3.0 | 7.8 |
| NE | .1 | 2.0 | 3.7 | 1.3 | | | | | | | | 6.8 | 8.0 |
| ENE | .1 | 2.7 | 2.8 | .6 | | | | | | | | 6.1 | 7.4 |
| E | | .6 | .6 | .1 | | | | | | | | 1.2 | 7.5 |
| ESE | | .7 | .3 | .1 | | | | | | | | 1.1 | 6.8 |
| SE | | .9 | .6 | .1 | | | | | | | | 1.0 | 6.6 |
| SSE | .2 | .9 | 1.2 | .9 | | .2 | .1 | | | | | 3.6 | 10.2 |
| S | .2 | 1.9 | 5.0 | 3.6 | .4 | | | | | | | 12.7 | 9.4 |
| SSW | | 1.7 | 3.1 | 1.7 | .2 | | | | | | | 6.7 | 9.2 |
| SW | | 1.7 | 1.9 | 3.8 | .9 | | | | | | | 8.2 | 11.5 |
| WSW | .1 | 2.4 | 4.1 | 5.3 | 3.0 | .2 | .1 | | | | | 15.3 | 12.2 |
| W | .1 | 1.3 | 4.1 | 5.2 | 1.6 | .1 | | | | | | 12.6 | 11.5 |
| WNW | .1 | 1.4 | 1.3 | 2.1 | .2 | | | | | | | 5.8 | 10.0 |
| NW | | .6 | 1.4 | 1.2 | | | | | | | | 3.2 | 10.0 |
| NNW | .1 | .9 | 1.0 | .6 | | | | | | | | 2.6 | 7.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 | |
| | 1.3 | 22.4 | 37.2 | 27.1 | 6.6 | .7 | .2 | | | | | 100.0 | 9.9 |

TOTAL NUMBER OF OBSERVATIONS 930

U.S. AIR FORCE CLIMATOLOGY BRANCH
AFETAC
METEOROLOGICAL SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10-227 STATION NAME APTERIO, NY YEARS 74-83 MONTH NOV
CLASS ALL WEATHER HOURS 1800-2000 (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 1.4 | 1.3 | .4 | .3 | | | | | | | 3.6 | 8.2 |
| NNE | | 1.4 | .9 | .3 | | | | | | | | 3.0 | 6.7 |
| NE | .1 | 2.5 | 3.9 | 1.2 | | | | | | | | 1.0 | 7.7 |
| ENE | | 3.2 | 3.7 | .2 | | | | | | | | 6.4 | 6.9 |
| E | .1 | 3.3 | 1.2 | .3 | | | | | | | | 5.4 | 6.3 |
| ESE | .4 | 1.4 | .3 | | | | | | | | | 2.2 | 4.4 |
| SE | .1 | 1.5 | .2 | | .1 | | | | | | | 2.1 | 5.5 |
| SSE | | 2.4 | 1.1 | 1.7 | .4 | | | | | | | 5.0 | 8.9 |
| S | .4 | 4.4 | 6.3 | 2.4 | .6 | .1 | | | | | | 14.8 | 8.8 |
| SSW | .1 | .9 | 1.7 | .8 | .2 | | | | | | | 5.0 | 9.4 |
| SW | | .2 | 1.4 | 3.7 | 1.0 | | | | | | | 6.3 | 11.9 |
| WSW | | .7 | 3.1 | 3.9 | 2.3 | .3 | | | | | | 10.3 | 13.6 |
| W | | .6 | 2.3 | 3.1 | 1.8 | | | | | | | 7.8 | 12.7 |
| WNW | | 1.7 | 3.4 | 1.7 | .4 | | | | | | | 6.6 | 10.3 |
| NW | | .8 | 1.7 | .8 | | | | | | | | 2.6 | 9.1 |
| NNW | .1 | .6 | .9 | .1 | | | | | | | | 1.6 | 7.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.9 | |
| | 1.3 | 28.2 | 32.7 | 19.3 | 7.2 | .4 | | | | | | 100.0 | 8.7 |

TOTAL NUMBER OF OBSERVATIONS 970

U.S. NAVAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 027 STIERSON, NY STATION NAME 74-93 YEARS NOV
MONTH 1962-1963
CLASS ALL WEATHER
HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.3 | 1.4 | .7 | .1 | | | | | | | 4.1 | 8.6 |
| NNE | .3 | .3 | 1.1 | .2 | .1 | | | | | | | 1.7 | 7.4 |
| NE | .7 | 2.2 | 3.2 | .8 | | | | | | | | 6.4 | 8.5 |
| ENE | .1 | 4.7 | 3.2 | .3 | | | | | | | | 6.3 | 6.3 |
| E | .4 | 4.5 | 1.7 | .4 | | | | | | | | 6.4 | 5.6 |
| ESE | .1 | 1.3 | .1 | | | | | | | | | 1.7 | 4.3 |
| SE | | 1.3 | .6 | .1 | | | | | | | | 2.4 | 6.1 |
| SSE | .3 | 1.3 | 1.7 | .8 | 1.0 | | | | | | | 5.6 | 9.6 |
| S | | 3.8 | 7.7 | 3.4 | .4 | .1 | | | | | | 14.8 | 9.2 |
| SSW | | .8 | 1.9 | 1.3 | .1 | | | | | | | 4.1 | 9.9 |
| SW | | 1.1 | 1.7 | 2.3 | .8 | | | | | | | 5.9 | 11.1 |
| WSW | | .7 | 2.4 | 2.9 | 1.7 | .2 | .1 | | | | | 6.1 | 13.3 |
| W | | 1.0 | 1.3 | 4.4 | 1.7 | | | | | | | 6.9 | 12.7 |
| WNW | | 1.5 | 1.3 | 1.4 | .4 | | | | | | | 5.2 | 9.9 |
| NW | | .9 | 1.1 | 1.2 | | | | | | | | 3.2 | 9.9 |
| NNW | | .7 | 1.3 | .4 | | | | | | | | 2.4 | 8.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.4 | |
| | 2.1 | 29.7 | 31.4 | 21.9 | 6.3 | .3 | .1 | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 900

AL CLIMATOLOGY BRANCH
 AFSTAC
 WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10027 STATION NAME ALBERTA, NY YEARS 74-83 MONTH NOV
 CLASS ALL WEATHER HOURS (L.S.T.) ALL
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.2 | 2.1 | .9 | .1 | .0 | | | | | | 3.1 | 8.0 |
| NNE | .1 | 1.3 | 1.8 | .7 | .0 | .0 | | | | | | 3.7 | 8.1 |
| NE | .1 | 2.2 | 3.1 | .9 | | | | | | | | 5.3 | 7.7 |
| ENE | .1 | 3.4 | 2.9 | .6 | .0 | | | | | | | 6.0 | 6.7 |
| E | .1 | 3.4 | 1.7 | .2 | | | | | | | | 4.9 | 5.0 |
| ESE | .1 | .2 | .4 | .1 | .0 | | | | | | | 1.6 | 6.2 |
| SE | .1 | 1.1 | .5 | .2 | .0 | | | | | | | 1.8 | 6.0 |
| SSE | .1 | 1.3 | 1.7 | 1.7 | .3 | .1 | .0 | | | | | 3.0 | 9.5 |
| S | .1 | 3.3 | 5.7 | 4.3 | .8 | .1 | | | | | | 12.4 | 9.7 |
| SSW | .1 | 1.3 | 2.1 | 1.7 | .2 | | | | | | | 5.3 | 9.5 |
| SW | .1 | 1.0 | 1.2 | 2.5 | .9 | .0 | | | | | | 6.2 | 11.6 |
| WSW | .1 | 1.1 | 2.5 | 3.8 | 2.1 | .3 | .1 | | | | | 9.9 | 13.0 |
| W | .1 | 1.4 | 2.6 | 4.6 | 1.5 | .1 | | | | | | 10.2 | 11.8 |
| WNW | .1 | 1.1 | 2.2 | 1.7 | .3 | .0 | | | | | | 5.4 | 10.1 |
| NW | .1 | .7 | 1.3 | .9 | .1 | | | | | | | 3.0 | 9.3 |
| NNW | .1 | .5 | 1.7 | .5 | .0 | | | | | | | 2.5 | 8.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.2 | |
| | 2.0 | 26.7 | 32.0 | 24.4 | 6.3 | .5 | .1 | | | | | 100.0 | 8.8 |

TOTAL NUMBER OF OBSERVATIONS 7200

NAVAL CLIMATOLOGY BRANCH
USAFETAC
AIR FORCE WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 STATION NAME LA JOLLA, CA YEARS 74-83 DEC MONTH 1983-1984
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.) 0000-2359

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 1.2 | 1.7 | 1.4 | | | | | | | | 4.6 | 9.0 |
| NNE | .1 | .7 | 1.4 | 1.7 | | | | | | | | 3.2 | 6.0 |
| NE | .1 | 2.4 | 3.1 | 1.2 | .2 | | | | | | | 7.3 | 6.0 |
| ENE | .1 | 4.5 | 3.3 | .1 | .1 | | | | | | | 6.5 | 6.0 |
| E | .2 | 1.2 | 1.7 | .1 | | | | | | | | 7.1 | 5.3 |
| ESE | .2 | 1.7 | .4 | | | | | | | | | 2.4 | 5.0 |
| SE | | .4 | .2 | .3 | | | | | | | | 1.2 | 6.1 |
| SSE | .2 | 1.1 | 1.1 | 1.0 | .1 | | | | | | | 3.8 | 8.0 |
| S | .1 | 2.6 | 5.7 | 3.3 | 1.4 | | | | | | | 12.1 | 10.5 |
| SSW | | .2 | 1.5 | 1.6 | .3 | | | | | | | 4.1 | 10.0 |
| SW | .2 | .3 | .5 | 1.6 | 1.1 | .1 | | | | | | 4.1 | 13.1 |
| WSW | .2 | .2 | 1.7 | 3.5 | 1.4 | .4 | | | | | | 6.1 | 13.1 |
| W | | 1.4 | 3.7 | 4.2 | .9 | .1 | .1 | | | | | 12.4 | 11.5 |
| WNW | .2 | .1 | 2.7 | 1.8 | .1 | | | | | | | 2.6 | 9.0 |
| NW | .1 | .1 | 2.3 | .5 | .1 | | | | | | | 2.6 | 6.0 |
| NNW | .1 | .3 | .5 | .4 | | | | | | | | 2.2 | 7.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .6 | |
| | 2.4 | 26.2 | 31.1 | 24.8 | 5.7 | .6 | .1 | | | | | 100.0 | 8.0 |

TOTAL NUMBER OF OBSERVATIONS 97

CLIMATE CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27 STATION NAME ALBERTA, NY YEARS 74-83 MONTH DEC
CLASS ALL WEATHER
CONDITION 100-0500
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .5 | 2.5 | 1.2 | | | | | | | | 3.9 | 9.4 |
| NNE | .1 | .5 | 1.6 | .9 | | | | | | | | 3.2 | 8.5 |
| NE | .1 | 2.5 | 2.0 | 1.5 | .3 | | | | | | | 7.6 | 8.2 |
| ENE | | 1.2 | 2.5 | 1.2 | | | | | | | | 7.0 | 7.9 |
| E | .4 | 4.4 | .4 | | | | | | | | | 5.3 | 4.6 |
| ESE | .1 | 1.2 | .3 | .1 | | | | | | | | 1.7 | 5.6 |
| SE | .1 | 1.5 | .9 | .2 | | | | | | | | 2.7 | 6.5 |
| SSE | | 1.6 | 1.7 | .6 | | | | | | | | 4.0 | 7.5 |
| S | .3 | 2.9 | 5.2 | 6.7 | 1.3 | .1 | | | | | | 16.7 | 10.7 |
| SSW | | 1.2 | 1.1 | 1.2 | .1 | | | | | | | 3.7 | 9.1 |
| SW | .3 | .6 | .9 | 1.5 | .3 | | | | | | | 3.7 | 10.4 |
| WSW | | 1.1 | 2.4 | 3.4 | 1.3 | .3 | .1 | | | | | 8.9 | 12.9 |
| W | | 1.5 | 3.8 | 3.1 | .6 | .4 | | | | | | 9.5 | 11.2 |
| WNW | | 1.0 | 1.2 | 1.5 | | | | | | | | 4.4 | 9.3 |
| NW | .1 | 1.2 | 1.2 | 1.1 | | | | | | | | 3.5 | 9.1 |
| NNW | | .4 | 1.6 | .5 | | | | | | | | 2.6 | 9.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 2.2 | 25.7 | 30.5 | 24.6 | 4.0 | .9 | .1 | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 931

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74-83 STATION NAME YEARS MONTH
STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | 1.3 | 1.1 | 1.6 | | | | | | | | 4.3 | 8.7 |
| NNE | | 1.2 | 1.3 | .8 | | | | | | | | 3.2 | 8.2 |
| NE | .2 | 2.2 | 2.3 | 1.7 | .4 | | | | | | | 6.8 | 9.0 |
| ENE | .2 | 3.7 | 3.3 | 1.1 | .1 | | | | | | | 6.7 | 7.4 |
| E | .2 | 4.5 | .5 | | | | | | | | | 5.6 | 5.1 |
| ESE | .2 | 1.5 | .3 | | | | | | | | | 2.5 | 4.8 |
| SE | .2 | 1.2 | .5 | .1 | | | | | | | | 2.2 | 5.9 |
| SSE | | 1.3 | 1.2 | .5 | | | | | | | | 3.0 | 7.0 |
| S | .1 | 4.3 | 5.7 | 6.8 | .9 | .1 | | | | | | 17.5 | 10.1 |
| SSW | | .3 | 1.7 | 1.2 | .2 | | | | | | | 2.7 | 11.1 |
| SW | .1 | .5 | 1.4 | 1.5 | .2 | | | | | | | 3.8 | 10.3 |
| WSW | .1 | 1.5 | 2.3 | 3.1 | 1.2 | .4 | | | | | | 8.6 | 12.2 |
| W | | 2.2 | 2.0 | 3.2 | .8 | .6 | .1 | | | | | 8.9 | 11.8 |
| WNW | .1 | .4 | 2.5 | 1.1 | .1 | | | | | | | 4.4 | 9.2 |
| NW | | .5 | 1.7 | .8 | .1 | | | | | | | 3.1 | 9.6 |
| NNW | .1 | .6 | 1.7 | .3 | .1 | | | | | | | 2.4 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.4 | |
| | 3.1 | 27.1 | 28.3 | 23.8 | 4.1 | 1.2 | .1 | | | | | 100.0 | 8.1 |

TOTAL NUMBER OF OBSERVATIONS 932

CLIMATE DIVISION
 AFETAC
 AIRCRAFT SERVICE DIVISION

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 100-7 STATION NAME AIRFIELD NY YEARS 74-83 MONTH DEC
 CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100
 CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | 1.2 | 1.0 | .5 | | | | | | | | 4.3 | 7.2 |
| NNE | .1 | 1.2 | 2.3 | .5 | | | | | | | | 4.1 | 7.8 |
| NE | | 2.7 | 3.1 | 2.0 | .5 | | | | | | | 6.4 | 9.1 |
| ENE | | 2.9 | 2.4 | 1.5 | .3 | | | | | | | 7.1 | 8.4 |
| E | | 2.2 | .9 | .1 | | | | | | | | 3.6 | 5.5 |
| ESE | | .4 | .3 | | | | | | | | | 1.1 | 5.4 |
| SE | .1 | .5 | .2 | .1 | | | | | | | | 1.0 | 6.0 |
| SSE | .1 | 1.3 | 1.4 | .8 | .2 | | | | | | | 4.1 | 8.8 |
| S | | 3.7 | 7.7 | 7.8 | .5 | .2 | | | | | | 21.0 | 10.2 |
| SSW | .2 | .3 | 1.7 | 2.2 | .1 | | | | | | | 4.9 | 9.9 |
| SW | | .4 | 1.1 | 2.2 | .6 | | | | | | | 4.3 | 12.4 |
| WSW | .2 | 1.5 | 1.2 | 3.3 | 1.4 | | | | | | | 7.6 | 11.6 |
| W | .1 | 1.3 | 1.7 | 3.7 | 1.8 | .4 | | | | | | 9.0 | 12.6 |
| WNW | | .2 | 2.5 | 2.3 | .5 | .1 | | | | | | 6.0 | 11.5 |
| NW | .1 | .4 | 1.1 | .6 | .1 | | | | | | | 2.4 | 9.8 |
| NNW | .1 | 1.2 | 1.4 | .8 | .2 | | | | | | | 3.7 | 8.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.4 | |
| | 2.3 | 23.0 | 30.9 | 28.4 | 6.5 | .8 | | | | | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 AIRPORT NY STATION NAME 74-83 YEARS DEC
MONTH 1980-1980
CLASS ALL WEATHER
HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.3 | 1.5 | 1.4 | | | | | | | | 4.7 | 6.7 |
| NNE | | 1.2 | 1.5 | .8 | .3 | | | | | | | 4.1 | 8.8 |
| NE | .1 | 2.1 | 2.3 | 2.5 | .3 | | | | | | | 7.8 | 9.4 |
| ENE | .1 | 1.4 | 2.0 | 1.9 | .1 | | | | | | | 5.8 | 8.9 |
| E | | .9 | .2 | .1 | | | | | | | | 1.2 | 6.6 |
| ESE | | .5 | .3 | | | | | | | | | .9 | 6.4 |
| SE | .1 | .1 | .6 | .3 | | | | | | | | 1.2 | 8.8 |
| SSE | | .9 | 1.6 | .9 | | | | | | | | 3.3 | 9.3 |
| S | | 1.5 | 3.1 | 7.5 | .9 | | | | | | | 18.0 | 10.8 |
| SSW | | .2 | 1.5 | 2.6 | .2 | | | | | | | 5.1 | 10.9 |
| SW | | 1.0 | 2.5 | 3.4 | 1.4 | | | | | | | 8.3 | 11.8 |
| WSW | .1 | 2.9 | 2.3 | 2.7 | 1.9 | .5 | | | | | | 15.4 | 11.6 |
| W | | 1.2 | 3.2 | 4.5 | 1.8 | .8 | | | | | | 12.3 | 12.5 |
| WNW | .3 | .3 | 1.5 | 2.6 | 1.0 | | | | | | | 6.2 | 11.5 |
| NW | .7 | 1.5 | 1.5 | .9 | .2 | | | | | | | 4.3 | 8.7 |
| NNW | .1 | .4 | .5 | .4 | .1 | | | | | | | 1.6 | 9.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.8 | |
| | 1.3 | 19.7 | 32.2 | 32.5 | 8.3 | 1.5 | | | | | | 100.0 | 10.0 |

TOTAL NUMBER OF OBSERVATIONS 930

ALPHABETICALLY BY NAME
 METAC
 AIRCRAFT SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 207 WINDWARD, NY STATION NAME 74-83 YEARS DEC
 MONTH 1960-1960
 HOURS (L.S.T.)
 ALL WEATHER
 CLASS
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 15 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 2.7 | 2.4 | 1.3 | | | | | | | | 6.5 | 7.7 |
| NNE | | 2.0 | 1.4 | .4 | .2 | | | | | | | 4.1 | 7.4 |
| NE | | 1.3 | 2.3 | 1.9 | .1 | | | | | | | 6.1 | 9.6 |
| ENE | | 2.2 | 2.6 | 1.7 | .1 | | | | | | | 6.8 | 8.6 |
| E | | 1.2 | .6 | | | | | | | | | 2.0 | 5.6 |
| ESE | | .5 | .3 | | | | | | | | | .8 | 6.1 |
| SE | | .2 | .5 | .4 | | | | | | | | 1.3 | 7.9 |
| SSE | | 1.1 | 1.2 | .4 | .1 | | | | | | | 3.0 | 8.1 |
| S | | 3.7 | 7.4 | 3.7 | 1.5 | | | | | | | 16.5 | 9.7 |
| SSW | | 1.1 | 2.2 | 1.3 | .2 | | | | | | | 6.1 | 9.7 |
| SW | | 1.6 | 2.9 | 2.7 | 1.1 | .1 | | | | | | 8.7 | 10.5 |
| WSW | | 1.6 | 3.1 | 3.0 | 1.4 | .5 | | | | | | 10.0 | 11.6 |
| W | | .2 | 3.4 | 3.3 | 2.4 | .2 | | | | | | 10.3 | 12.7 |
| WNW | | 1.1 | 2.8 | 1.8 | 1.3 | .2 | | | | | | 6.9 | 11.2 |
| NW | | .5 | 1.3 | .6 | .1 | | | | | | | 3.3 | 8.6 |
| NNW | | .2 | 1.2 | | | | | | | | | 2.2 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.5 | |
| | 2.2 | 23.1 | 36.7 | 22.4 | 8.2 | 1.1 | | | | | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 227 ALERTOWN NY STATION NAME 74-8 YEARS DEC
MONTH 1960-1960
CLASS ALL WEATHER
HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | 1.0 | 2.3 | 1.0 | .1 | | | | | | | 4.8 | 8.5 |
| NNE | | 1.4 | 2.2 | .6 | | | | | | | | 4.2 | 8.1 |
| NE | .1 | 1.1 | 1.9 | 1.5 | .4 | | | | | | | 5.1 | 10.0 |
| ENE | .7 | 4.1 | 3.1 | 1.1 | .2 | | | | | | | 6.7 | 7.8 |
| E | .6 | 4.8 | .5 | | .1 | | | | | | | 9.1 | 5.1 |
| ESE | .1 | 1.5 | .2 | .1 | | | | | | | | 1.9 | 5.6 |
| SE | .2 | 1.2 | .5 | .3 | | | | | | | | 2.4 | 6.5 |
| SSE | | .3 | 2.2 | .5 | | | | | | | | 4.0 | 7.4 |
| S | .3 | 4.1 | 7.3 | 5.0 | .8 | .1 | | | | | | 17.8 | 9.4 |
| SSW | .7 | .4 | 1.7 | .8 | .3 | | | | | | | 3.7 | 9.9 |
| SW | .3 | .4 | 1.2 | .9 | 1.1 | | | | | | | 3.0 | 11.7 |
| WSW | .1 | .3 | 2.3 | 4.1 | 1.6 | .1 | | | | | | 9.9 | 12.4 |
| W | .2 | 1.1 | 2.9 | 3.9 | 1.0 | .3 | | | | | | 9.3 | 11.9 |
| WNW | | .9 | 2.0 | 1.8 | .4 | .1 | | | | | | 5.3 | 10.6 |
| NW | | .8 | 1.1 | 1.2 | | | | | | | | 3.0 | 9.5 |
| NNW | | .9 | .9 | .4 | | | | | | | | 2.2 | 8.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.0 | |
| | 2.4 | 26.6 | 32.7 | 23.2 | 6.0 | .6 | | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS 926

U.S. AIR FORCE
 1. CLIMATE DATA
 2. CLIMATE SERVICE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WATERLOO, NY STATION NAME 74-83 YEARS DEC
 CLASS ALL WEATHER MONTH 1-12-2400
 CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | .1 | 1.4 | 2.5 | 1.4 | .1 | | | | | | | 5.7 | 6.7 |
| NNE | .1 | .1 | 1.1 | 1.2 | | | | | | | | 3.5 | 8.9 |
| NE | .1 | 2.5 | 2.5 | 1.1 | .3 | | | | | | | 6.5 | 8.3 |
| ENE | .3 | 4.6 | 3.3 | .6 | .1 | | | | | | | 5.1 | 6.9 |
| E | .1 | 4.6 | 1.7 | | | | | | | | | 5.2 | 5.2 |
| ESE | .1 | 1.1 | .5 | | | | | | | | | 1.6 | 5.4 |
| SE | | 1.1 | .5 | .3 | | | | | | | | 2.0 | 7.2 |
| SSE | .1 | 1.4 | 1.5 | 1.4 | | | | | | | | 4.4 | 8.6 |
| S | .3 | 2.3 | 5.1 | 5.8 | .6 | .1 | | | | | | 15.3 | 10.3 |
| SSW | | .8 | 1.5 | 2.4 | .1 | .1 | | | | | | 4.9 | 10.7 |
| SW | | .4 | 1.4 | 1.9 | 1.0 | .1 | | | | | | 4.9 | 12.4 |
| WSW | | .6 | 1.8 | 1.7 | .9 | .5 | | | | | | 5.6 | 12.4 |
| W | .1 | 1.8 | 2.3 | 4.5 | 1.3 | .1 | | | | | | 10.0 | 11.6 |
| WNW | | .6 | 1.8 | 1.3 | .9 | | | | | | | 4.6 | 11.4 |
| NW | | .6 | 2.6 | .3 | .1 | | | | | | | 3.7 | 8.6 |
| NNW | .1 | .6 | .5 | .8 | | | | | | | | 2.6 | 8.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.7 | |
| | 2.2 | 25.3 | 31.2 | 24.8 | 5.4 | 1.7 | | | | | | 100.0 | 8.5 |

TOTAL NUMBER OF OBSERVATIONS 927

U.S. AIR FORCE CLIMATOLOGY BRANCH
 1. WEATHER SERVICE/MAAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 227 ALBANY, NY STATION NAME 74-01 YEARS 1956
 CLASS ALL WEATHER MONTH ALL
 CONDITION ALL HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.5 | 1.2 | 1.2 | .0 | | | | | | | 4.0 | 6.4 |
| NNE | .1 | 1.2 | 1.5 | .8 | .1 | | | | | | | 3.7 | 8.3 |
| NE | .1 | 2.1 | 2.7 | 1.7 | .3 | | | | | | | 7.0 | 8.9 |
| ENE | .4 | 3.3 | 2.3 | 1.2 | .1 | | | | | | | 7.7 | 7.7 |
| E | .4 | 3.6 | .5 | .7 | .0 | | | | | | | 4.6 | 5.2 |
| ESE | .3 | 1.1 | .3 | .7 | | | | | | | | 1.6 | 5.6 |
| SE | .1 | .9 | .3 | .3 | | | | | | | | 1.6 | 7.6 |
| SSE | .1 | 1.4 | 1.5 | .8 | .1 | | | | | | | 3.8 | 8.3 |
| S | .3 | 3.1 | 6.7 | 6.1 | 1.0 | .1 | | | | | | 17.1 | 10.2 |
| SSW | .1 | .2 | 1.5 | 1.6 | .2 | .0 | | | | | | 4.3 | 10.1 |
| SW | .3 | .7 | 1.5 | 2.0 | .8 | .0 | | | | | | 5.2 | 11.5 |
| WSW | .1 | 1.3 | 2.1 | 3.1 | 1.4 | .4 | .0 | | | | | 8.5 | 12.2 |
| W | .1 | 1.5 | 2.9 | 3.9 | 1.3 | .4 | .0 | | | | | 15.0 | 12.0 |
| WNW | .1 | .8 | 2.2 | 1.8 | .5 | .1 | | | | | | 5.4 | 10.7 |
| NW | .1 | .8 | 1.7 | .8 | .1 | | | | | | | 3.4 | 9.1 |
| NNW | .1 | .7 | 1.1 | .5 | .1 | | | | | | | 2.3 | 8.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 0.6 | |
| | 2.4 | 24.7 | 31.7 | 25.6 | 6.0 | .9 | .0 | | | | | 100.0 | 8.0 |

TOTAL NUMBER OF OBSERVATIONS 7435

AL CLIMATOLOGY BRANCH
 ALIAC
 AIR FORCE SERVICE/ALAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 247 STATION NAME ALBION, KY YEARS 74-83 MONTH ALL

CLASS ALL WEATHER

CONDITION

HOURS (L.S.T.) ALL

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.7 | 2.2 | 1.1 | .1 | .0 | | | | | | 3.2 | 8.4 |
| NNE | .1 | 1.1 | 1.6 | .9 | .1 | .0 | | | | | | 3.9 | 8.7 |
| NE | .1 | 1.5 | 2.1 | 1.3 | .2 | .0 | | | | | | 3.3 | 8.9 |
| ENE | .1 | 2.3 | 1.7 | .6 | .1 | .0 | | | | | | 5.6 | 7.1 |
| E | .1 | 3.4 | .7 | .1 | .0 | | | | | | | 4.5 | 5.4 |
| ESE | .1 | .9 | .3 | .1 | .0 | | | | | | | 1.5 | 5.9 |
| SE | .1 | .7 | .5 | .2 | .0 | .0 | | | | | | 1.8 | 6.9 |
| SSE | .1 | 1.3 | 1.1 | .7 | .2 | .0 | .0 | .0 | | | | 3.5 | 6.6 |
| S | .4 | 4.6 | 5.2 | 3.3 | .6 | .1 | .0 | | | | | 14.2 | 8.9 |
| SSW | .1 | 2.3 | 2.6 | 1.4 | .1 | .0 | .0 | | | | | 6.7 | 8.4 |
| SW | .1 | 1.9 | 3.5 | 3.3 | .7 | .1 | .0 | | | | | 9.6 | 10.4 |
| WSW | .1 | 2.0 | 4.4 | 4.3 | 1.3 | .2 | .0 | .0 | | | | 12.4 | 11.1 |
| W | .1 | 1.3 | 3.7 | 2.8 | 1.0 | .1 | .0 | | | | | 6.3 | 11.1 |
| WNW | .1 | .7 | 1.3 | .9 | .2 | .0 | | | | | | 3.1 | 9.8 |
| NW | .1 | .6 | .9 | .4 | .1 | .0 | | | | | | 2.0 | 8.8 |
| NNW | .1 | .6 | .8 | .4 | .0 | | | | | | | 1.9 | 8.4 |
| VARBL | | | | .0 | | | | | | | | .0 | 15.0 |
| CALM | | | | | | | | | | | | 10.6 | |
| | .7 | 27.4 | 31.9 | 22.0 | 4.7 | .6 | .1 | .0 | | | | 100.0 | 8.2 |

TOTAL NUMBER OF OBSERVATIONS 86950

JOINT CLIMATOLOGY BRANCH
ATLANTIC
AIR FATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 007 WATERTOWN NY STATION NAME 74-93 YEARS ALL
INSTRUMENT ALL MONTH ALL
CLASS ALL HOURS (L.S.T.) ALL
CONDITION CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE.
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 2.1 | 3.9 | 2.4 | .2 | .0 | | | | | | 5.2 | 9.0 |
| NNE | .1 | 1.4 | 2.7 | 2.1 | .4 | .0 | | | | | | 1.7 | 9.8 |
| NE | .1 | 1.6 | 3.5 | 3.1 | .8 | .1 | | | | | | 9.1 | 10.6 |
| ENE | .1 | 1.4 | 1.3 | 1.1 | .3 | .0 | | | | | | 4.8 | 9.1 |
| E | .1 | 1.2 | .5 | .1 | | | | | | | | 1.9 | 6.0 |
| ESE | .1 | .3 | .1 | .2 | | | | | | | | .6 | 6.8 |
| SE | .1 | .3 | .2 | .0 | | | | | | | | .6 | 6.7 |
| SSE | .1 | .4 | .4 | .1 | .2 | .0 | | | | | | 1.1 | 7.3 |
| S | .3 | 3.3 | 3.3 | 2.3 | .4 | .1 | | | | | | 9.4 | 9.0 |
| SSW | .2 | 2.0 | 2.7 | 1.8 | .2 | .0 | | | | | | 6.8 | 9.0 |
| SW | .1 | 1.9 | 4.7 | 4.4 | .9 | .1 | .0 | | | | | 1.3 | 10.7 |
| WSW | .1 | 2.4 | 4.3 | 4.1 | 1.7 | .3 | .0 | | | | | 1.9 | 11.2 |
| W | .1 | 1.2 | 3.3 | 2.5 | 1.3 | .2 | | | | | | .5 | 11.5 |
| WNW | .2 | .0 | 1.3 | .6 | .2 | .0 | | | | | | 3.1 | 9.4 |
| NW | .1 | .0 | 1.1 | .4 | .1 | | | | | | | 2.5 | 8.5 |
| NNW | .1 | 1.0 | 1.4 | .8 | .0 | | | | | | | 3.2 | 8.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.5 | |
| | 1.3 | 22.4 | 35.7 | 25.9 | 6.5 | 1.0 | .0 | | | | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS 10091

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|------|------|------|------|------|------|-----|-----|-----|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | |
| 1500 | | | | | 91.0 | | | | | | | | | | 92.6 |
| 1200 | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | 97.4 | | | | | 98.1 |
| 400 | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | |
| 0 | | | | | 95.4 | | 96.9 | | | 98.3 | | | | | 100.0 |

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

AL CLIMATOLOGY BRANCH
STAT
41 STAT SA SERVICE BRAC

CEILING VERSUS VISIBILITY

STATION 07 WATERGATE, NY STATION NAME 74-63 YEAR 1962

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|---------------|------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| CEILING, FEET | | 210 | 200 | 150 | 140 | 130 | 120 | 110 | 100 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 |
| 1000 | 1000 | 27.7 | 31.4 | 37.7 | 30.9 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 900 | 900 | 27.1 | 32.5 | 32.9 | 32.9 | 33.7 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| 800 | 800 | 27.1 | 32.9 | 32.9 | 32.9 | 33.9 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| 700 | 700 | 27.0 | 32.7 | 33.1 | 33.1 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| 600 | 600 | 27.5 | 33.7 | 33.4 | 33.4 | 33.5 | 33.0 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 500 | 500 | 31.4 | 35.1 | 36.5 | 36.6 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| 400 | 400 | 31.4 | 35.2 | 36.7 | 36.8 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 |
| 300 | 300 | 33.4 | 37.3 | 39.2 | 39.4 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 |
| 200 | 200 | 33.5 | 37.1 | 39.5 | 39.7 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 |
| 100 | 100 | 34.5 | 40.5 | 41.1 | 41.1 | 41.2 | 41.2 | 41.2 | 41.2 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 |
| 0 | 0 | 34.7 | 44.2 | 44.7 | 44.8 | 45.1 | 45.1 | 45.1 | 45.1 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| 1000 | 1000 | 35.6 | 47.1 | 47.6 | 47.8 | 48.1 | 48.1 | 48.1 | 48.1 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 |
| 900 | 900 | 41.1 | 51.4 | 52.4 | 52.8 | 53.1 | 53.1 | 53.1 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| 800 | 800 | 47.4 | 55.7 | 57.0 | 57.4 | 57.7 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| 700 | 700 | 47.5 | 57.9 | 62.8 | 63.7 | 64.3 | 64.3 | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| 600 | 600 | 47.5 | 56.2 | 69.2 | 70.3 | 71.5 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| 500 | 500 | 47.9 | 70.3 | 74.5 | 76.1 | 76.1 | 76.3 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| 400 | 400 | 50.3 | 72.1 | 75.9 | 77.5 | 77.7 | 79.9 | 80.2 | 80.2 | 80.2 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| 300 | 300 | 50.6 | 73.8 | 73.5 | 80.6 | 83.7 | 83.3 | 83.9 | 84.0 | 84.0 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 200 | 200 | 50.4 | 74.7 | 79.8 | 82.0 | 84.6 | 85.1 | 86.7 | 87.2 | 87.2 | 87.5 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| 100 | 100 | 51.7 | 75.3 | 80.4 | 83.0 | 85.9 | 86.5 | 88.2 | 89.0 | 89.0 | 90.3 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| 0 | 0 | 51.7 | 75.4 | 87.6 | 83.3 | 86.2 | 86.9 | 88.6 | 89.5 | 89.5 | 90.9 | 91.2 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 |
| 1000 | 1000 | 51.7 | 75.5 | 81.1 | 83.8 | 86.8 | 87.4 | 89.2 | 90.1 | 90.2 | 92.2 | 92.6 | 92.6 | 92.6 | 92.8 | 92.8 | 92.8 |
| 900 | 900 | 51.7 | 75.6 | 81.3 | 84.0 | 87.0 | 87.6 | 89.8 | 90.6 | 90.6 | 93.5 | 94.1 | 94.1 | 94.1 | 94.4 | 94.4 | 94.4 |
| 800 | 800 | 51.7 | 75.8 | 81.5 | 84.2 | 87.3 | 88.0 | 90.4 | 91.3 | 91.4 | 94.2 | 94.8 | 94.8 | 94.8 | 95.5 | 95.6 | 95.6 |
| 700 | 700 | 51.0 | 75.8 | 81.5 | 84.3 | 87.4 | 88.2 | 90.8 | 91.6 | 91.7 | 94.7 | 95.5 | 95.5 | 95.5 | 96.6 | 96.6 | 96.7 |
| 600 | 600 | 51.0 | 75.8 | 81.6 | 84.4 | 87.5 | 88.3 | 91.0 | 91.9 | 92.0 | 95.2 | 96.0 | 96.0 | 96.0 | 97.0 | 97.2 | 97.3 |
| 500 | 500 | 51.7 | 75.8 | 81.6 | 84.5 | 87.7 | 88.5 | 91.2 | 92.2 | 92.3 | 95.6 | 96.5 | 96.5 | 96.5 | 97.4 | 97.6 | 97.8 |
| 400 | 400 | 51.7 | 75.8 | 81.6 | 84.5 | 87.8 | 88.6 | 91.3 | 92.3 | 92.4 | 95.7 | 96.8 | 96.8 | 96.8 | 97.8 | 98.1 | 98.1 |
| 300 | 300 | 51.7 | 75.8 | 81.6 | 84.5 | 87.8 | 88.6 | 91.3 | 92.3 | 92.4 | 95.7 | 96.8 | 96.8 | 96.8 | 97.8 | 98.1 | 98.1 |
| 200 | 200 | 51.7 | 75.8 | 81.6 | 84.5 | 87.8 | 88.6 | 91.3 | 92.3 | 92.4 | 95.7 | 96.8 | 96.8 | 96.8 | 97.8 | 98.1 | 98.1 |
| 100 | 100 | 51.7 | 75.8 | 81.6 | 84.5 | 87.8 | 88.6 | 91.3 | 92.3 | 92.4 | 95.7 | 96.8 | 96.8 | 96.8 | 97.8 | 98.1 | 98.1 |
| 0 | 0 | 51.7 | 75.8 | 81.6 | 84.5 | 87.8 | 88.6 | 91.3 | 92.3 | 92.4 | 95.7 | 96.8 | 96.8 | 96.8 | 97.8 | 98.1 | 98.1 |

TOTAL NUMBER OF OBSERVATIONS 970

FEDERAL CLIMATOLOGY BRANCH
WHEELING
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-0227
STATION

WATER TOWN NY

STATION NAME

74-83

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0700-0500
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0 |
| NO CEILING | 28.2 | 30.9 | 31.7 | 31.0 | 31.0 | 31.0 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.2 | 31.3 |
| ≥ 20000 | 28.1 | 32.6 | 32.7 | 32.8 | 32.8 | 32.8 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 33.0 | 33.2 |
| ≥ 18000 | 28.1 | 32.7 | 32.8 | 32.9 | 32.9 | 32.9 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.1 | 33.3 |
| ≥ 16000 | 28.1 | 32.7 | 32.8 | 32.9 | 32.9 | 32.9 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.1 | 33.3 |
| ≥ 14000 | 28.1 | 32.8 | 32.9 | 33.0 | 33.0 | 33.0 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.2 | 33.4 |
| ≥ 12000 | 28.7 | 33.5 | 33.7 | 33.8 | 33.8 | 33.6 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 34.0 | 34.2 |
| ≥ 10000 | 31.5 | 36.2 | 36.5 | 36.6 | 36.6 | 36.6 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.8 | 37.0 |
| ≥ 9500 | 31.9 | 36.7 | 36.9 | 37.0 | 37.0 | 37.0 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.2 | 37.4 |
| ≥ 9000 | 32.7 | 36.2 | 36.4 | 36.5 | 36.5 | 36.5 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.7 | 36.9 |
| ≥ 8500 | 32.7 | 36.3 | 36.5 | 36.6 | 36.6 | 36.6 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.8 | 36.9 |
| ≥ 8000 | 34.1 | 39.8 | 40.0 | 40.2 | 40.2 | 40.2 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.4 | 40.6 |
| ≥ 7500 | 35.6 | 43.7 | 44.0 | 44.2 | 44.2 | 44.2 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.4 | 44.6 |
| ≥ 7000 | 35.2 | 45.7 | 46.1 | 46.3 | 46.3 | 46.3 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.6 | 46.8 |
| ≥ 6500 | 38.7 | 49.1 | 49.8 | 50.2 | 50.2 | 50.2 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.4 | 50.6 |
| ≥ 6000 | 41.4 | 53.4 | 54.4 | 54.8 | 55.1 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.3 | 55.5 |
| ≥ 5500 | 44.4 | 56.7 | 57.0 | 57.9 | 58.5 | 58.5 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.8 | 59.0 |
| ≥ 5000 | 45.6 | 64.3 | 66.2 | 67.8 | 68.6 | 68.6 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.9 | 69.1 |
| ≥ 4500 | 48.2 | 69.1 | 72.7 | 74.2 | 75.3 | 75.5 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.6 | 76.6 |
| ≥ 4000 | 49.4 | 70.1 | 73.0 | 75.2 | 76.7 | 76.9 | 77.8 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.2 | 78.4 |
| ≥ 3500 | 49.4 | 72.9 | 76.2 | 78.5 | 80.4 | 80.6 | 82.0 | 82.2 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.4 | 82.6 |
| ≥ 3000 | 49.9 | 74.3 | 77.8 | 80.4 | 83.4 | 83.8 | 85.7 | 86.0 | 86.0 | 86.0 | 86.3 | 86.3 | 86.3 | 86.3 | 86.5 | 86.7 |
| ≥ 2500 | 49.9 | 74.8 | 78.5 | 81.3 | 84.8 | 85.3 | 87.7 | 88.5 | 88.5 | 88.5 | 89.4 | 89.5 | 89.5 | 89.5 | 89.6 | 89.8 |
| ≥ 2000 | 49.9 | 74.9 | 78.7 | 81.5 | 85.1 | 85.6 | 88.1 | 89.0 | 89.0 | 89.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.2 | 90.4 |
| ≥ 1800 | 49.9 | 74.9 | 78.7 | 81.6 | 85.3 | 85.8 | 88.7 | 89.8 | 89.8 | 89.8 | 91.1 | 91.2 | 91.2 | 91.2 | 91.3 | 91.5 |
| ≥ 1600 | 49.9 | 74.9 | 78.7 | 81.7 | 85.4 | 85.9 | 88.9 | 90.2 | 90.2 | 90.2 | 91.8 | 92.4 | 92.5 | 92.6 | 92.7 | 92.9 |
| ≥ 1400 | 49.9 | 75.1 | 78.8 | 81.8 | 85.5 | 86.0 | 89.2 | 90.5 | 90.5 | 90.5 | 92.6 | 93.2 | 93.3 | 93.4 | 93.4 | 93.8 |
| ≥ 1200 | 49.9 | 75.2 | 78.9 | 81.9 | 85.8 | 86.3 | 90.0 | 91.4 | 91.4 | 91.4 | 93.9 | 94.6 | 94.7 | 94.9 | 94.9 | 95.4 |
| ≥ 1000 | 49.9 | 75.2 | 79.0 | 82.4 | 86.3 | 87.0 | 90.6 | 92.0 | 92.0 | 92.0 | 94.6 | 95.6 | 95.7 | 96.3 | 96.3 | 96.9 |
| ≥ 900 | 49.9 | 75.2 | 79.0 | 82.4 | 86.3 | 87.0 | 90.6 | 92.2 | 92.2 | 92.2 | 95.1 | 96.1 | 96.2 | 97.0 | 97.1 | 97.7 |
| ≥ 800 | 49.9 | 75.2 | 79.0 | 82.4 | 86.5 | 87.1 | 90.8 | 92.3 | 92.3 | 92.3 | 95.3 | 96.3 | 96.5 | 97.3 | 97.4 | 98.5 |
| ≥ 700 | 49.9 | 75.2 | 79.0 | 82.4 | 86.5 | 87.1 | 90.8 | 92.3 | 92.3 | 92.3 | 95.3 | 96.3 | 96.5 | 97.3 | 97.4 | 98.6 |
| ≥ 600 | 49.9 | 75.2 | 79.0 | 82.4 | 86.5 | 87.1 | 90.8 | 92.3 | 92.3 | 92.3 | 95.3 | 96.3 | 96.5 | 97.3 | 97.4 | 98.6 |
| ≥ 500 | 49.9 | 75.2 | 79.0 | 82.4 | 86.5 | 87.1 | 90.8 | 92.3 | 92.3 | 92.3 | 95.3 | 96.3 | 96.5 | 97.3 | 97.4 | 98.6 |
| ≥ 400 | 49.9 | 75.2 | 79.0 | 82.4 | 86.5 | 87.1 | 90.8 | 92.3 | 92.3 | 92.3 | 95.3 | 96.3 | 96.5 | 97.3 | 97.4 | 98.6 |
| ≥ 300 | 49.9 | 75.2 | 79.0 | 82.4 | 86.5 | 87.1 | 90.8 | 92.3 | 92.3 | 92.3 | 95.3 | 96.3 | 96.5 | 97.3 | 97.4 | 98.6 |
| ≥ 200 | 49.9 | 75.2 | 79.0 | 82.4 | 86.5 | 87.1 | 90.8 | 92.3 | 92.3 | 92.3 | 95.3 | 96.3 | 96.5 | 97.3 | 97.4 | 98.6 |
| ≥ 100 | 49.9 | 75.2 | 79.0 | 82.4 | 86.5 | 87.1 | 90.8 | 92.3 | 92.3 | 92.3 | 95.3 | 96.3 | 96.5 | 97.3 | 97.4 | 98.6 |
| ≥ 50 | 49.9 | 75.2 | 79.0 | 82.4 | 86.5 | 87.1 | 90.8 | 92.3 | 92.3 | 92.3 | 95.3 | 96.3 | 96.5 | 97.3 | 97.4 | 98.6 |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 327 AIRTOWN NY STATION NAME 74-83 YEAR 1957

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1452-2455

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥8 | ≥6 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| ≥2000 | 26.1 | 29.8 | 37.1 | 30.1 | 30.1 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| ≥1800 | 27.8 | 32.5 | 32.8 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 |
| ≥1600 | 27.8 | 32.5 | 32.8 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 |
| ≥1400 | 27.8 | 32.5 | 32.8 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 |
| ≥1200 | 27.8 | 32.5 | 32.8 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 |
| ≥1000 | 30.6 | 36.3 | 36.7 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥900 | 30.6 | 36.3 | 36.8 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 |
| ≥800 | 32.5 | 39.1 | 39.8 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 |
| ≥700 | 33.2 | 40.1 | 40.8 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| ≥600 | 34.4 | 41.5 | 42.2 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 |
| ≥500 | 34.5 | 45.6 | 46.3 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 |
| ≥450 | 37.4 | 47.2 | 48.0 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| ≥400 | 39.9 | 51.5 | 52.3 | 52.7 | 52.7 | 52.7 | 52.7 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| ≥350 | 42.4 | 55.5 | 56.8 | 57.3 | 57.3 | 57.3 | 57.3 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| ≥300 | 44.2 | 61.4 | 63.2 | 63.9 | 64.4 | 64.4 | 64.4 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| ≥250 | 44.6 | 67.1 | 69.5 | 70.2 | 71.0 | 71.0 | 71.0 | 71.3 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| ≥200 | 47.5 | 70.2 | 73.3 | 75.1 | 76.3 | 76.3 | 77.0 | 77.2 | 77.2 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| ≥150 | 47.6 | 71.5 | 74.7 | 76.6 | 78.1 | 78.2 | 78.9 | 79.1 | 79.1 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| ≥100 | 48.7 | 73.1 | 77.0 | 79.0 | 81.0 | 81.2 | 82.3 | 82.7 | 82.7 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥80 | 49.4 | 74.6 | 78.9 | 81.3 | 83.3 | 83.7 | 85.2 | 85.7 | 85.7 | 86.2 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| ≥60 | 49.4 | 75.1 | 79.7 | 82.4 | 84.7 | 85.3 | 87.4 | 88.1 | 88.1 | 88.9 | 89.2 | 89.2 | 89.2 | 89.2 | 89.4 | 89.4 |
| ≥40 | 48.4 | 75.2 | 79.8 | 82.7 | 85.2 | 85.8 | 88.0 | 88.9 | 88.9 | 90.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 |
| ≥30 | 48.4 | 75.3 | 79.9 | 82.8 | 85.3 | 86.2 | 88.8 | 90.0 | 90.0 | 91.1 | 91.5 | 91.5 | 91.5 | 91.5 | 91.6 | 91.6 |
| ≥20 | 48.4 | 75.3 | 79.9 | 83.0 | 85.7 | 86.7 | 89.6 | 90.9 | 90.9 | 92.0 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 |
| ≥10 | 49.5 | 75.5 | 80.1 | 83.2 | 85.9 | 87.1 | 90.1 | 91.4 | 91.4 | 93.2 | 94.1 | 94.1 | 94.4 | 94.4 | 94.5 | 94.5 |
| ≥5 | 49.5 | 75.5 | 80.1 | 83.2 | 85.9 | 87.1 | 90.3 | 91.8 | 91.8 | 94.2 | 95.2 | 95.2 | 95.8 | 95.8 | 95.9 | 95.9 |
| ≥3 | 49.5 | 75.6 | 80.2 | 83.4 | 86.1 | 87.4 | 90.8 | 92.3 | 92.3 | 94.6 | 95.6 | 95.6 | 96.2 | 96.3 | 96.5 | 96.5 |
| ≥2 | 49.5 | 75.6 | 80.2 | 83.4 | 86.3 | 87.6 | 91.0 | 92.5 | 92.5 | 95.1 | 96.1 | 96.1 | 97.2 | 97.3 | 97.4 | 97.4 |
| ≥1 | 49.5 | 75.6 | 80.2 | 83.4 | 86.3 | 87.6 | 91.0 | 92.5 | 92.5 | 95.1 | 96.2 | 96.3 | 97.6 | 97.8 | 98.5 | 98.6 |
| ≥0 | 49.5 | 75.6 | 80.2 | 83.4 | 86.3 | 87.6 | 91.0 | 92.5 | 92.5 | 95.1 | 96.2 | 96.3 | 97.6 | 97.8 | 98.6 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS 931

JOINT CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

227
STATION

WATER TOWN, NY

STATION NAME

74-83

YEAR

JAN

1960

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

500-1100
FOOT FEET

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|----------------------|--------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.4 | ≥ 1 | ≥ .8 | ≥ .6 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .2 |
| NO CEILING ≥ 2000 | 24.1 | 25.7 | 29.8 | 29.9 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 |
| ≥ 1800 | 27.1 | 32.3 | 33.3 | 33.4 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| ≥ 1600 | 27.2 | 32.4 | 33.4 | 33.5 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 |
| ≥ 1400 | 27.3 | 32.5 | 33.5 | 33.7 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 |
| ≥ 1200 | 27.8 | 33.2 | 34.3 | 34.4 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 |
| ≥ 1000 | 30.1 | 37.0 | 37.1 | 38.3 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 |
| ≥ 900 | 31.3 | 37.5 | 39.7 | 38.9 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 |
| ≥ 800 | 31.7 | 40.3 | 41.5 | 41.7 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 |
| ≥ 700 | 32.5 | 41.6 | 43.1 | 43.4 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| ≥ 6000 | 33.4 | 43.5 | 45.1 | 45.4 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 5000 | 34.3 | 47.0 | 48.7 | 49.0 | 49.6 | 49.8 | 49.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| ≥ 4500 | 34.9 | 47.4 | 49.1 | 49.5 | 50.1 | 50.3 | 50.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| ≥ 4000 | 37.0 | 51.3 | 53.1 | 53.5 | 54.3 | 54.5 | 54.7 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| ≥ 3500 | 38.1 | 53.9 | 56.2 | 57.0 | 57.8 | 58.1 | 58.3 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| ≥ 3000 | 39.7 | 57.3 | 60.5 | 61.9 | 63.7 | 63.9 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| ≥ 2500 | 41.1 | 61.2 | 65.5 | 67.3 | 69.9 | 70.2 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| ≥ 2000 | 41.9 | 63.3 | 68.5 | 70.5 | 74.0 | 74.4 | 75.4 | 75.5 | 75.5 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| ≥ 1800 | 41.9 | 63.8 | 69.0 | 71.2 | 74.7 | 75.2 | 76.1 | 76.2 | 76.2 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| ≥ 1500 | 42.0 | 64.6 | 70.4 | 72.9 | 77.0 | 77.4 | 79.4 | 80.1 | 80.1 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥ 1200 | 42.3 | 64.9 | 71.1 | 73.9 | 78.5 | 79.0 | 81.5 | 82.3 | 82.3 | 83.4 | 83.4 | 83.4 | 83.7 | 83.7 | 83.7 | 83.7 |
| ≥ 1000 | 42.4 | 65.4 | 71.6 | 74.6 | 80.1 | 81.0 | 84.4 | 85.8 | 85.8 | 87.3 | 87.4 | 87.4 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 900 | 42.4 | 65.4 | 71.6 | 74.7 | 80.5 | 81.5 | 84.9 | 86.5 | 86.5 | 88.4 | 88.5 | 88.5 | 89.1 | 89.1 | 89.1 | 89.2 |
| ≥ 800 | 42.4 | 65.6 | 71.8 | 75.4 | 81.2 | 82.4 | 85.8 | 87.6 | 87.8 | 90.4 | 90.6 | 90.8 | 91.5 | 91.5 | 91.5 | 91.6 |
| ≥ 700 | 42.4 | 65.6 | 71.8 | 75.4 | 81.2 | 82.4 | 85.8 | 87.8 | 88.1 | 91.3 | 91.5 | 91.6 | 92.6 | 92.6 | 92.6 | 92.7 |
| ≥ 600 | 42.4 | 65.7 | 71.9 | 75.5 | 81.3 | 82.5 | 85.9 | 88.0 | 88.2 | 91.5 | 91.9 | 92.0 | 93.1 | 93.1 | 93.1 | 93.2 |
| ≥ 500 | 42.4 | 65.8 | 72.0 | 75.9 | 82.0 | 83.3 | 86.8 | 89.0 | 89.4 | 93.2 | 93.7 | 93.8 | 95.4 | 95.4 | 95.6 | 95.7 |
| ≥ 400 | 42.4 | 65.8 | 72.0 | 76.1 | 82.4 | 83.8 | 87.3 | 89.6 | 89.9 | 94.2 | 94.7 | 94.8 | 97.0 | 97.0 | 97.3 | 97.4 |
| ≥ 300 | 42.4 | 65.8 | 72.0 | 76.1 | 82.4 | 83.8 | 87.3 | 89.6 | 89.9 | 94.2 | 94.7 | 94.9 | 97.5 | 97.5 | 98.0 | 98.1 |
| ≥ 200 | 42.4 | 65.8 | 72.0 | 76.1 | 82.4 | 83.8 | 87.3 | 89.6 | 89.9 | 94.2 | 94.7 | 94.9 | 97.5 | 97.5 | 98.0 | 98.2 |
| ≥ 100 | 42.4 | 65.8 | 72.0 | 76.1 | 82.4 | 83.8 | 87.3 | 89.6 | 89.9 | 94.2 | 94.7 | 94.9 | 97.5 | 97.5 | 98.0 | 98.9 |
| ≥ 0 | 42.4 | 65.8 | 72.0 | 76.1 | 82.4 | 83.8 | 87.3 | 89.6 | 89.9 | 94.2 | 94.7 | 94.9 | 97.5 | 97.5 | 98.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH
WATERLOO
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 74-227

WATERLOO NY

STATION NAME

74-63

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1952-1953

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|-------|-------|--------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .005 | ≥ .001 |
| NO CEILING | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 20000 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 18000 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 16000 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 14000 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 12000 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 10000 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 8000 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 6000 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 4000 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 3000 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 2000 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 1800 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 1600 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 1400 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 1200 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 1000 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 800 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 600 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 400 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 300 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 200 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 100 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 0 | 24.7 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |

TOTAL NUMBER OF OBSERVATIONS 93

FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
227

WATERTOWN NY

STATION NAME

74-83

YEARS

JAN

1974

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-1700
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|--------|-------|--------|---------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ 0.5 | ≥ 0.25 | ≥ 0.1 | ≥ 0.05 | ≥ 0.025 | ≥ 0.01 | ≥ 0 |
| NO CEILING | 21.5 | 20.5 | 20.5 | 23.5 | 24.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 |
| ≥ 20000 | 22.1 | 33.2 | 33.5 | 33.5 | 33.5 | 33.7 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 |
| ≥ 18000 | 27.4 | 33.5 | 33.9 | 33.9 | 33.9 | 34.0 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| ≥ 16000 | 29.4 | 33.5 | 33.9 | 33.9 | 33.9 | 34.0 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| ≥ 14000 | 29.4 | 34.0 | 34.3 | 34.3 | 34.3 | 34.4 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 |
| ≥ 12000 | 37.5 | 35.4 | 35.7 | 35.7 | 35.7 | 35.8 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 |
| ≥ 10000 | 32.5 | 36.6 | 39.1 | 39.1 | 39.1 | 39.2 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| ≥ 9000 | 32.6 | 36.8 | 39.4 | 39.4 | 39.4 | 39.5 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 |
| ≥ 8000 | 35.1 | 42.3 | 42.9 | 42.9 | 42.9 | 43.0 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| ≥ 7000 | 35.7 | 43.3 | 44.0 | 44.0 | 44.0 | 44.1 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| ≥ 6000 | 34.7 | 44.7 | 45.4 | 45.4 | 45.4 | 45.5 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| ≥ 5000 | 34.7 | 46.2 | 49.2 | 49.2 | 49.2 | 49.4 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 |
| ≥ 4500 | 39.7 | 46.8 | 49.9 | 49.9 | 49.9 | 50.0 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |
| ≥ 4000 | 40.0 | 51.0 | 52.2 | 52.2 | 52.2 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| ≥ 3500 | 47.5 | 52.4 | 54.2 | 54.4 | 54.4 | 54.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| ≥ 3000 | 42.6 | 56.3 | 58.5 | 59.1 | 59.2 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| ≥ 2500 | 43.9 | 60.1 | 63.0 | 64.3 | 65.3 | 65.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| ≥ 2000 | 45.2 | 64.3 | 67.7 | 69.5 | 71.5 | 71.8 | 72.5 | 73.0 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| ≥ 1800 | 46.7 | 64.7 | 68.5 | 70.6 | 73.0 | 73.3 | 74.1 | 74.6 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| ≥ 1500 | 44.2 | 66.1 | 70.4 | 73.1 | 76.7 | 77.6 | 79.1 | 80.0 | 80.3 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| ≥ 1200 | 46.5 | 66.9 | 71.7 | 75.3 | 79.1 | 80.3 | 82.3 | 83.4 | 84.0 | 84.9 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.5 |
| ≥ 1000 | 46.5 | 67.2 | 72.7 | 75.9 | 80.2 | 81.9 | 84.3 | 85.9 | 86.6 | 88.2 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.9 |
| ≥ 900 | 46.5 | 67.2 | 72.2 | 76.1 | 80.5 | 82.3 | 84.9 | 86.6 | 87.2 | 88.9 | 89.4 | 89.4 | 89.4 | 89.6 | 89.6 | 89.9 |
| ≥ 800 | 46.5 | 67.5 | 72.9 | 76.9 | 81.6 | 83.3 | 86.2 | 88.1 | 88.8 | 91.6 | 92.2 | 92.2 | 92.2 | 92.5 | 92.7 | 92.8 |
| ≥ 700 | 46.5 | 67.5 | 73.7 | 77.0 | 81.8 | 83.5 | 86.5 | 88.3 | 89.0 | 92.3 | 92.8 | 92.8 | 92.8 | 93.1 | 93.1 | 93.4 |
| ≥ 600 | 46.5 | 67.5 | 73.3 | 77.3 | 82.2 | 83.9 | 86.8 | 88.6 | 89.5 | 92.9 | 94.0 | 94.0 | 94.0 | 94.7 | 94.7 | 95.1 |
| ≥ 500 | 46.5 | 67.5 | 73.3 | 77.5 | 82.5 | 84.2 | 87.3 | 89.1 | 90.0 | 93.7 | 94.8 | 94.9 | 94.9 | 95.9 | 95.9 | 96.3 |
| ≥ 400 | 46.5 | 67.5 | 73.7 | 78.1 | 83.1 | 84.8 | 88.1 | 89.9 | 90.8 | 94.6 | 95.8 | 95.9 | 95.9 | 97.0 | 97.0 | 97.5 |
| ≥ 300 | 46.5 | 67.5 | 73.7 | 78.1 | 83.1 | 84.8 | 88.1 | 89.9 | 90.8 | 94.6 | 95.8 | 95.9 | 95.9 | 97.0 | 97.0 | 97.7 |
| ≥ 200 | 46.5 | 67.5 | 73.7 | 78.1 | 83.1 | 84.8 | 88.1 | 89.9 | 90.8 | 94.6 | 95.8 | 95.9 | 95.9 | 97.0 | 97.0 | 98.0 |
| ≥ 100 | 46.5 | 67.5 | 73.7 | 78.1 | 83.1 | 84.8 | 88.1 | 89.9 | 90.8 | 94.6 | 95.8 | 95.9 | 95.9 | 97.0 | 97.0 | 98.6 |
| ≥ 0 | 46.5 | 67.5 | 73.7 | 78.1 | 83.1 | 84.8 | 88.1 | 89.9 | 90.8 | 94.6 | 95.8 | 95.9 | 95.9 | 97.0 | 97.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 227 LAIERTOWN NY STATION NAME

74-83

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1980-2000
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|-------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .005 | ≥ 0 |
| NO CEILING | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 20000 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 18000 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 16000 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 14000 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 12000 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 10000 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 9000 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 8000 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 7000 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 6000 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 5000 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 4500 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 4000 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 3500 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 3000 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 2500 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 2000 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 1800 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 1600 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 1400 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 1200 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 1000 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 900 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 800 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 700 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 600 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 500 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 400 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 300 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 200 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 100 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 0 | 27.9 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
WAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227
STATION

WATERTOWN NY
STATION NAME

74-83
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

4100-2300
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.01 | ≥0 |
| NO CEILING | 32.0 | 32.3 | 32.4 | 32.9 | 32.9 | 32.9 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| ≥20000 | 30.4 | 33.7 | 34.2 | 34.3 | 34.3 | 34.3 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 |
| ≥18000 | 30.4 | 33.7 | 34.2 | 34.3 | 34.3 | 34.3 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 |
| ≥16000 | 30.4 | 33.7 | 34.2 | 34.3 | 34.3 | 34.3 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 |
| ≥14000 | 31.2 | 34.5 | 35.1 | 35.2 | 35.2 | 35.2 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 |
| ≥12000 | 31.9 | 35.3 | 35.9 | 35.9 | 35.9 | 35.9 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| ≥10000 | 34.5 | 35.5 | 39.0 | 39.1 | 39.1 | 39.1 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 |
| ≥9000 | 34.5 | 35.5 | 39.1 | 39.2 | 39.2 | 39.2 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| ≥8000 | 37.3 | 42.6 | 43.1 | 43.2 | 43.3 | 43.3 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| ≥7000 | 37.3 | 42.6 | 43.1 | 43.3 | 43.5 | 43.5 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 |
| ≥6000 | 37.9 | 44.7 | 45.3 | 45.5 | 45.7 | 45.7 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| ≥5000 | 40.3 | 47.8 | 48.5 | 48.7 | 48.9 | 48.9 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥4500 | 41.5 | 49.6 | 50.5 | 50.8 | 51.0 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| ≥4000 | 43.7 | 53.5 | 54.6 | 55.1 | 55.4 | 55.4 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| ≥3500 | 45.5 | 57.4 | 59.0 | 59.6 | 60.1 | 60.1 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| ≥3000 | 47.7 | 62.5 | 65.1 | 66.1 | 67.0 | 67.2 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| ≥2500 | 49.4 | 67.5 | 70.9 | 72.0 | 73.1 | 73.3 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| ≥2000 | 51.2 | 72.5 | 76.1 | 77.4 | 79.0 | 79.2 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| ≥1800 | 51.6 | 73.8 | 77.7 | 79.1 | 80.9 | 81.1 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| ≥1500 | 51.9 | 75.8 | 80.4 | 82.0 | 84.1 | 84.3 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥1200 | 52.3 | 77.6 | 82.5 | 84.5 | 86.9 | 87.2 | 88.8 | 89.0 | 89.0 | 89.0 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥1000 | 52.3 | 77.8 | 83.2 | 85.5 | 88.2 | 88.5 | 90.9 | 91.4 | 91.5 | 92.0 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥900 | 52.3 | 77.8 | 83.5 | 85.8 | 88.6 | 88.9 | 91.4 | 92.2 | 92.3 | 92.9 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥800 | 52.3 | 78.1 | 83.9 | 86.1 | 88.9 | 89.2 | 91.9 | 92.8 | 92.9 | 94.0 | 94.3 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥700 | 52.3 | 78.1 | 84.0 | 86.2 | 89.0 | 89.4 | 92.3 | 93.2 | 93.3 | 94.5 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥600 | 52.3 | 78.1 | 84.0 | 86.2 | 89.1 | 89.5 | 92.4 | 93.4 | 93.5 | 94.8 | 95.3 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥500 | 52.3 | 78.1 | 84.2 | 86.5 | 89.7 | 90.0 | 92.9 | 94.1 | 94.2 | 95.6 | 96.3 | 96.3 | 96.9 | 96.9 | 97.2 | 97.2 |
| ≥400 | 52.3 | 78.1 | 84.2 | 86.5 | 89.7 | 90.0 | 92.9 | 94.2 | 94.3 | 95.7 | 96.5 | 96.5 | 97.0 | 97.0 | 97.3 | 97.3 |
| ≥300 | 52.3 | 78.1 | 84.2 | 86.5 | 89.7 | 90.0 | 93.0 | 94.5 | 94.6 | 96.0 | 96.8 | 96.8 | 97.3 | 97.6 | 98.2 | 98.2 |
| ≥200 | 52.3 | 78.1 | 84.2 | 86.5 | 89.7 | 90.0 | 93.0 | 94.5 | 94.6 | 96.1 | 96.9 | 96.9 | 97.4 | 97.8 | 98.5 | 98.5 |
| ≥100 | 52.3 | 78.1 | 84.2 | 86.5 | 89.7 | 90.0 | 93.0 | 94.5 | 94.6 | 96.1 | 96.9 | 96.9 | 97.5 | 98.0 | 98.9 | 98.9 |
| ≥0 | 52.3 | 78.1 | 84.2 | 86.5 | 89.7 | 90.0 | 93.0 | 94.5 | 94.6 | 96.1 | 96.9 | 96.9 | 97.5 | 98.0 | 99.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 1784 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
WLTAC
ATLANTIC SERVICE/MAO

CEILING VERSUS VISIBILITY

STATION
227

CATEGORY: NY

STATION NAME

74-33

YEAR

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

| | | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|--------------|-------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| CEILING FEET | | 20 | 20 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |
| 20000 | 20000 | 26.1 | 26.2 | 30.9 | 30.5 | 30.6 | 30.8 | 30.5 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| 18000 | 18000 | 27.7 | 33.7 | 33.5 | 33.5 | 33.5 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.7 |
| 16000 | 16000 | 29.1 | 33.1 | 33.5 | 33.6 | 33.6 | 33.6 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 14000 | 14000 | 29.1 | 33.1 | 33.5 | 33.6 | 33.6 | 33.6 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 12000 | 12000 | 29.3 | 33.9 | 34.0 | 34.0 | 34.0 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.2 |
| 10000 | 10000 | 30.7 | 34.4 | 34.6 | 34.6 | 34.9 | 34.9 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 9000 | 9000 | 32.3 | 37.9 | 38.3 | 38.5 | 38.5 | 38.5 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 |
| 8000 | 8000 | 32.4 | 38.1 | 38.6 | 38.7 | 38.8 | 38.8 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 |
| 7000 | 7000 | 34.3 | 41.0 | 41.5 | 41.6 | 41.7 | 41.7 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.9 |
| 6000 | 6000 | 34.3 | 41.6 | 42.2 | 42.4 | 42.5 | 42.5 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| 5000 | 5000 | 35.9 | 43.1 | 43.8 | 43.9 | 44.1 | 44.1 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| 4500 | 4500 | 37.5 | 46.5 | 47.4 | 47.6 | 47.7 | 47.7 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 |
| 4000 | 4000 | 39.3 | 47.8 | 48.8 | 49.0 | 49.2 | 49.3 | 49.3 | 49.3 | 49.3 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| 3500 | 3500 | 42.1 | 51.3 | 52.3 | 52.7 | 53.1 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| 3000 | 3000 | 41.9 | 54.7 | 56.2 | 56.7 | 57.1 | 57.2 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.4 |
| 2500 | 2500 | 44.2 | 57.3 | 61.4 | 62.3 | 63.1 | 63.2 | 63.4 | 63.4 | 63.4 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| 2000 | 2000 | 45.7 | 63.9 | 66.8 | 68.2 | 69.5 | 69.7 | 69.9 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.1 |
| 1800 | 1800 | 47.2 | 67.8 | 71.5 | 73.4 | 75.3 | 75.6 | 76.3 | 76.4 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.7 |
| 1600 | 1600 | 47.4 | 69.7 | 72.6 | 74.6 | 76.7 | 77.0 | 77.8 | 78.0 | 78.0 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.3 |
| 1400 | 1400 | 47.8 | 70.3 | 74.8 | 77.2 | 79.8 | 80.3 | 81.6 | 82.0 | 82.1 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.5 |
| 1200 | 1200 | 49.1 | 71.5 | 76.4 | 79.2 | 82.3 | 82.9 | 84.8 | 85.4 | 85.5 | 86.1 | 86.3 | 86.3 | 86.3 | 86.4 | 86.4 | 86.5 |
| 1000 | 1000 | 49.1 | 72.3 | 77.2 | 80.3 | 83.9 | 84.7 | 87.1 | 88.1 | 88.2 | 89.4 | 89.7 | 89.7 | 89.8 | 89.8 | 89.9 | 90.0 |
| 900 | 900 | 49.1 | 72.1 | 77.3 | 80.5 | 84.2 | 85.1 | 87.5 | 88.7 | 88.8 | 90.2 | 90.4 | 90.4 | 90.6 | 90.6 | 90.7 | 90.8 |
| 800 | 800 | 49.1 | 72.2 | 77.6 | 80.9 | 84.7 | 85.6 | 88.3 | 89.6 | 89.8 | 91.7 | 92.0 | 92.1 | 92.4 | 92.4 | 92.4 | 92.5 |
| 700 | 700 | 49.1 | 72.2 | 77.7 | 81.0 | 84.9 | 85.8 | 88.6 | 90.1 | 90.2 | 92.5 | 93.0 | 93.0 | 93.4 | 93.4 | 93.5 | 93.5 |
| 600 | 600 | 49.1 | 72.3 | 77.8 | 81.2 | 85.1 | 86.0 | 88.9 | 90.4 | 90.6 | 93.1 | 93.9 | 93.9 | 94.5 | 94.5 | 94.6 | 94.7 |
| 500 | 500 | 49.1 | 72.4 | 77.9 | 81.4 | 85.4 | 86.4 | 89.5 | 91.1 | 91.3 | 94.1 | 95.0 | 95.1 | 95.9 | 96.0 | 96.2 | 96.3 |
| 400 | 400 | 49.1 | 72.4 | 78.0 | 81.6 | 85.7 | 86.7 | 89.9 | 91.5 | 91.7 | 94.7 | 95.7 | 95.8 | 96.8 | 96.9 | 97.2 | 97.3 |
| 300 | 300 | 48.1 | 72.4 | 78.7 | 81.6 | 85.8 | 86.8 | 90.0 | 91.7 | 91.9 | 94.9 | 96.0 | 96.0 | 97.2 | 97.4 | 97.8 | 97.9 |
| 200 | 200 | 48.1 | 72.4 | 78.7 | 81.6 | 85.8 | 86.9 | 90.0 | 91.7 | 91.9 | 95.0 | 96.1 | 96.2 | 97.4 | 97.6 | 98.3 | 98.5 |
| 100 | 100 | 49.1 | 72.4 | 78.0 | 81.6 | 85.8 | 86.9 | 90.0 | 91.7 | 91.9 | 95.0 | 96.1 | 96.2 | 97.5 | 97.6 | 98.5 | 99.0 |
| 0 | 0 | 49.1 | 72.4 | 78.0 | 81.6 | 85.8 | 86.9 | 90.0 | 91.7 | 91.9 | 95.0 | 96.1 | 96.2 | 97.5 | 97.6 | 98.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7482

FEDERAL CLIMATOLOGY BRANCH
WAFB/TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-227

WATERTOWN, NY

74-83

FE8

STATION

STATION NAME

YEARS

MOSE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FORM-3200
NOV 67

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 33.5 | 35.5 | 35.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.5 | 36.5 | 36.5 | 36.6 | 36.8 | 36.6 |
| ≥20000 | 33.1 | 36.3 | 37.2 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.5 | 39.5 | 39.5 | 39.6 | 39.7 | 39.7 |
| ≥18000 | 34.1 | 36.3 | 37.2 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.5 | 39.5 | 39.5 | 39.6 | 39.7 | 39.7 |
| ≥16000 | 34.1 | 36.3 | 37.2 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.5 | 39.5 | 39.5 | 39.6 | 39.7 | 39.7 |
| ≥14000 | 36.4 | 39.0 | 40.3 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.3 | 40.4 | 40.4 |
| ≥12000 | 37.7 | 40.0 | 40.9 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.1 | 41.1 | 41.1 | 41.3 | 41.4 | 41.4 |
| ≥10000 | 41.4 | 43.5 | 44.7 | 44.8 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.2 | 45.2 | 45.2 | 45.3 | 45.4 | 45.4 |
| ≥8000 | 41.4 | 44.1 | 45.3 | 45.4 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.7 | 45.7 | 45.7 | 45.9 | 46.0 | 46.0 |
| ≥6000 | 47.9 | 47.4 | 48.9 | 49.3 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.6 | 49.6 | 49.6 | 49.8 | 49.9 | 49.9 |
| ≥4000 | 44.3 | 47.9 | 49.4 | 49.8 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.1 | 50.1 | 50.1 | 50.2 | 50.4 | 50.4 |
| ≥2000 | 46.9 | 51.1 | 53.0 | 53.3 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.7 | 53.7 | 53.7 | 53.8 | 53.9 | 53.9 |
| ≥1000 | 40.9 | 56.3 | 58.6 | 59.0 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.3 | 59.3 | 59.3 | 59.5 | 59.6 | 59.6 |
| ≥500 | 51.7 | 58.4 | 61.9 | 61.2 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.6 | 61.6 | 61.6 | 61.7 | 61.8 | 61.8 |
| ≥200 | 53.5 | 61.8 | 64.3 | 64.8 | 65.7 | 65.0 | 65.7 | 65.0 | 65.0 | 65.0 | 65.1 | 65.1 | 65.1 | 65.2 | 65.4 | 65.4 |
| ≥100 | 55.7 | 66.2 | 68.7 | 69.1 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.9 | 69.9 | 69.9 | 70.0 | 70.1 | 70.1 |
| ≥50 | 57.1 | 69.9 | 72.8 | 73.5 | 74.7 | 74.7 | 74.7 | 74.9 | 74.9 | 74.9 | 75.1 | 75.1 | 75.1 | 75.2 | 75.3 | 75.3 |
| ≥25 | 58.1 | 73.6 | 77.5 | 78.4 | 79.6 | 79.6 | 80.0 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 | 80.3 | 80.4 | 80.4 |
| ≥10 | 59.2 | 73.1 | 82.5 | 83.8 | 85.3 | 85.5 | 86.2 | 86.2 | 86.2 | 86.2 | 86.4 | 86.4 | 86.4 | 86.5 | 86.6 | 86.6 |
| ≥5 | 59.3 | 79.7 | 83.6 | 85.0 | 86.5 | 86.6 | 87.4 | 87.4 | 87.4 | 87.4 | 87.6 | 87.6 | 87.6 | 87.7 | 87.8 | 87.6 |
| ≥2 | 57.3 | 79.7 | 84.8 | 86.4 | 88.9 | 89.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.7 | 90.7 | 90.7 | 90.8 | 90.9 | 90.9 |
| ≥1 | 59.3 | 80.0 | 85.3 | 87.1 | 90.1 | 90.3 | 92.2 | 92.2 | 92.2 | 92.2 | 92.9 | 92.9 | 92.9 | 93.0 | 93.1 | 93.1 |
| ≥0.5 | 57.3 | 80.6 | 86.9 | 88.3 | 91.7 | 92.0 | 94.3 | 94.3 | 94.3 | 94.6 | 95.5 | 95.5 | 95.5 | 95.6 | 95.7 | 95.7 |
| ≥0.25 | 59.3 | 81.6 | 86.5 | 88.3 | 91.7 | 92.0 | 94.4 | 94.4 | 94.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.9 | 96.0 | 96.0 |
| ≥0.1 | 59.3 | 80.7 | 86.6 | 88.4 | 92.0 | 92.2 | 94.9 | 95.0 | 95.4 | 96.6 | 96.7 | 96.7 | 96.7 | 96.8 | 96.9 | 96.9 |
| ≥0.05 | 59.3 | 80.9 | 87.1 | 88.9 | 92.7 | 92.9 | 95.6 | 95.7 | 96.1 | 97.4 | 97.5 | 97.5 | 97.5 | 97.6 | 97.8 | 97.8 |
| ≥0.025 | 59.3 | 80.9 | 87.1 | 88.9 | 92.7 | 92.9 | 96.0 | 96.1 | 96.5 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 |
| ≥0.01 | 59.3 | 80.9 | 87.1 | 88.9 | 92.7 | 92.9 | 96.1 | 96.2 | 96.6 | 98.2 | 98.3 | 98.3 | 98.3 | 98.6 | 98.7 | 99.1 |
| ≥0.005 | 59.3 | 80.9 | 87.1 | 88.9 | 92.7 | 92.9 | 96.1 | 96.2 | 96.6 | 98.5 | 98.6 | 98.6 | 98.6 | 99.1 | 99.2 | 99.5 |
| ≥0.0025 | 59.3 | 80.9 | 87.1 | 88.9 | 92.7 | 92.9 | 96.1 | 96.2 | 96.6 | 98.5 | 98.6 | 98.6 | 98.6 | 99.1 | 99.2 | 99.5 |
| ≥0.001 | 59.3 | 80.9 | 87.1 | 88.9 | 92.7 | 92.9 | 96.1 | 96.2 | 96.6 | 98.5 | 98.6 | 98.6 | 98.6 | 99.1 | 99.2 | 99.5 |
| ≥0.0005 | 59.3 | 80.9 | 87.1 | 88.9 | 92.7 | 92.9 | 96.1 | 96.2 | 96.6 | 98.5 | 98.6 | 98.6 | 98.6 | 99.1 | 99.2 | 99.5 |

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
 ETAC
 AT: CAT ER SE-VICE/MAC

CEILING VERSUS VISIBILITY

227

ATLANTA, GA

STATION NAME

74-83

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

755-0500

HOURLY

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0 |
| NO. CEILING | 37.4 | 36.4 | 36.4 | 36.6 | 37.2 | 37.2 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| ≥ 20000 | 36.6 | 39.4 | 39.7 | 39.7 | 40.3 | 40.3 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| ≥ 18000 | 36.6 | 39.4 | 39.7 | 39.7 | 40.3 | 40.3 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| ≥ 16000 | 36.6 | 39.4 | 39.7 | 39.7 | 40.3 | 40.3 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| ≥ 14000 | 36.9 | 39.6 | 40.7 | 40.0 | 40.5 | 40.5 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 12000 | 36.4 | 41.1 | 41.5 | 41.5 | 42.3 | 42.3 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| ≥ 10000 | 40.4 | 43.5 | 43.9 | 43.9 | 44.7 | 44.7 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| ≥ 9000 | 40.2 | 44.2 | 44.6 | 44.6 | 45.4 | 45.4 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 8000 | 42.9 | 46.9 | 47.3 | 47.5 | 48.3 | 48.3 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| ≥ 7000 | 43.1 | 47.4 | 47.8 | 48.1 | 48.8 | 48.8 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| ≥ 6000 | 44.4 | 49.3 | 50.1 | 50.4 | 51.2 | 51.2 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| ≥ 5000 | 47.2 | 54.0 | 55.3 | 55.8 | 56.7 | 56.7 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| ≥ 4500 | 46.1 | 56.7 | 58.0 | 58.5 | 59.5 | 59.5 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| ≥ 4000 | 47.4 | 59.5 | 60.9 | 61.3 | 62.3 | 62.3 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 3500 | 52.0 | 62.3 | 63.9 | 64.9 | 66.0 | 66.0 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 3000 | 54.1 | 66.9 | 69.1 | 70.4 | 72.2 | 72.2 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| ≥ 2500 | 55.4 | 70.7 | 73.3 | 74.9 | 76.7 | 76.8 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| ≥ 2000 | 56.7 | 74.8 | 78.0 | 79.8 | 82.3 | 82.5 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥ 1800 | 57.2 | 76.0 | 79.2 | 81.1 | 83.8 | 84.0 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| ≥ 1600 | 57.2 | 77.3 | 81.7 | 83.2 | 86.5 | 86.8 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 1400 | 57.2 | 77.8 | 81.8 | 84.3 | 88.2 | 88.7 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 1200 | 57.2 | 78.1 | 82.3 | 85.0 | 89.1 | 89.7 | 92.4 | 92.9 | 92.9 | 92.9 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 1000 | 57.2 | 78.4 | 82.5 | 85.2 | 89.5 | 90.1 | 92.9 | 93.5 | 93.5 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 900 | 57.2 | 78.7 | 83.7 | 85.7 | 90.1 | 90.7 | 94.1 | 94.7 | 94.7 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 800 | 57.2 | 78.8 | 83.1 | 85.8 | 90.2 | 90.8 | 94.2 | 94.8 | 94.8 | 95.7 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 700 | 57.2 | 78.8 | 83.1 | 85.8 | 90.3 | 90.9 | 94.8 | 95.6 | 95.6 | 96.7 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 600 | 57.2 | 78.8 | 83.1 | 85.8 | 90.4 | 91.0 | 95.0 | 95.9 | 95.9 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 500 | 57.2 | 78.8 | 83.1 | 85.8 | 90.5 | 91.1 | 95.2 | 96.0 | 96.0 | 97.4 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 400 | 57.2 | 78.8 | 83.1 | 85.8 | 90.5 | 91.1 | 95.5 | 96.3 | 96.3 | 98.0 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 300 | 57.2 | 78.8 | 83.1 | 85.8 | 90.5 | 91.1 | 95.5 | 96.3 | 96.3 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 200 | 57.2 | 78.8 | 83.1 | 85.8 | 90.5 | 91.1 | 95.5 | 96.3 | 96.3 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 100 | 57.2 | 78.8 | 83.1 | 85.8 | 90.5 | 91.1 | 95.5 | 96.3 | 96.3 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 0 | 57.2 | 78.8 | 83.1 | 85.8 | 90.5 | 91.1 | 95.5 | 96.3 | 96.3 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |

TOTAL NUMBER OF OBSERVATIONS 546

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
74-27

WATERTOWN, NY

STATION NAME

74-53

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14-0-0620
ROUTE

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | |
|-----------------------|---------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.01 |
| NO CEILING ≥ 20000 | 21.5 | 33.1 | 33.6 | 33.3 | 33.9 | 33.8 | 34.0 | 34.0 | 34.0 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.3 |
| ≥ 18000 | 31.4 | 36.5 | 37.0 | 37.2 | 37.4 | 37.4 | 37.6 | 37.6 | 37.6 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.8 |
| ≥ 16000 | 31.4 | 36.5 | 37.0 | 37.2 | 37.4 | 37.4 | 37.6 | 37.6 | 37.6 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.8 |
| ≥ 14000 | 37.1 | 37.0 | 37.5 | 37.7 | 37.8 | 37.8 | 38.1 | 38.1 | 38.1 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.3 |
| ≥ 12000 | 33.5 | 36.4 | 38.9 | 39.2 | 39.4 | 39.4 | 39.6 | 39.6 | 39.6 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.8 |
| ≥ 10000 | 36.3 | 41.8 | 41.5 | 41.8 | 42.3 | 42.3 | 42.2 | 42.2 | 42.2 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.4 |
| ≥ 9500 | 36.4 | 41.4 | 42.1 | 42.4 | 42.6 | 42.6 | 42.8 | 42.8 | 42.8 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 43.0 |
| ≥ 9000 | 39.1 | 43.7 | 44.4 | 44.9 | 45.3 | 45.3 | 45.5 | 45.5 | 45.5 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.7 |
| ≥ 8500 | 36.3 | 44.1 | 45.7 | 45.5 | 45.9 | 45.9 | 46.1 | 46.1 | 46.1 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.3 |
| ≥ 8000 | 39.5 | 45.4 | 46.5 | 47.1 | 47.4 | 47.4 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.9 |
| ≥ 7500 | 41.4 | 47.4 | 50.6 | 51.2 | 51.5 | 51.5 | 51.8 | 51.8 | 51.8 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 52.0 |
| ≥ 7000 | 41.3 | 51.2 | 52.5 | 53.3 | 53.7 | 53.7 | 53.9 | 53.9 | 53.9 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.1 |
| ≥ 6500 | 44.4 | 55.0 | 56.6 | 57.6 | 58.0 | 58.0 | 58.3 | 58.3 | 58.3 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.5 |
| ≥ 6000 | 46.1 | 57.9 | 60.4 | 61.6 | 62.2 | 62.2 | 62.4 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.6 |
| ≥ 5500 | 46.7 | 62.2 | 65.9 | 66.2 | 69.3 | 69.5 | 70.3 | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.5 |
| ≥ 5000 | 49.3 | 66.3 | 70.9 | 73.6 | 75.3 | 75.0 | 76.8 | 76.8 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.1 |
| ≥ 4500 | 49.6 | 68.4 | 73.6 | 77.0 | 79.2 | 79.8 | 81.1 | 81.2 | 81.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.5 |
| ≥ 4000 | 50.2 | 69.3 | 74.7 | 78.3 | 80.7 | 81.3 | 82.6 | 82.7 | 82.7 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.1 |
| ≥ 3500 | 50.2 | 70.7 | 76.4 | 79.9 | 82.9 | 83.5 | 85.1 | 85.8 | 85.8 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.3 |
| ≥ 3000 | 50.2 | 71.9 | 78.3 | 82.3 | 85.8 | 86.4 | 88.3 | 89.1 | 89.2 | 89.7 | 90.0 | 90.0 | 90.0 | 90.0 | 90.1 |
| ≥ 2500 | 50.4 | 72.0 | 78.4 | 82.6 | 86.3 | 87.1 | 89.5 | 90.5 | 90.8 | 91.8 | 92.1 | 92.1 | 92.1 | 92.1 | 92.2 |
| ≥ 2000 | 50.5 | 72.2 | 78.6 | 83.0 | 86.6 | 87.5 | 89.8 | 90.9 | 91.1 | 92.4 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 |
| ≥ 1800 | 50.5 | 72.2 | 78.8 | 83.2 | 87.7 | 87.9 | 90.4 | 91.6 | 91.8 | 93.3 | 93.9 | 93.9 | 94.0 | 94.0 | 94.1 |
| ≥ 1600 | 50.5 | 72.2 | 78.8 | 83.2 | 87.1 | 88.1 | 90.7 | 92.1 | 92.3 | 94.0 | 94.6 | 94.6 | 94.8 | 94.8 | 94.9 |
| ≥ 1400 | 50.5 | 72.5 | 79.1 | 83.6 | 87.6 | 88.5 | 91.1 | 92.8 | 93.0 | 94.7 | 95.4 | 95.4 | 95.6 | 95.6 | 95.7 |
| ≥ 1200 | 50.5 | 72.5 | 79.1 | 83.7 | 87.8 | 88.9 | 91.6 | 93.6 | 93.9 | 95.7 | 96.7 | 96.7 | 97.0 | 97.2 | 97.3 |
| ≥ 1000 | 50.5 | 72.5 | 79.1 | 83.7 | 87.9 | 89.1 | 92.1 | 94.1 | 94.3 | 96.2 | 97.3 | 97.3 | 97.8 | 97.9 | 98.0 |
| ≥ 900 | 50.5 | 72.5 | 79.1 | 83.7 | 88.1 | 89.2 | 92.4 | 94.4 | 94.7 | 96.7 | 97.9 | 97.9 | 98.5 | 98.6 | 98.7 |
| ≥ 800 | 50.5 | 72.5 | 79.1 | 83.7 | 88.1 | 89.2 | 92.4 | 94.4 | 94.7 | 96.7 | 97.9 | 97.9 | 98.5 | 98.6 | 98.7 |
| ≥ 700 | 50.5 | 72.5 | 79.1 | 83.7 | 88.1 | 89.2 | 92.4 | 94.4 | 94.7 | 96.7 | 97.9 | 97.9 | 98.5 | 98.6 | 98.7 |
| ≥ 600 | 50.5 | 72.5 | 79.1 | 83.7 | 88.1 | 89.2 | 92.4 | 94.4 | 94.7 | 96.7 | 97.9 | 97.9 | 98.5 | 98.6 | 98.7 |
| ≥ 500 | 50.5 | 72.5 | 79.1 | 83.7 | 88.1 | 89.2 | 92.4 | 94.4 | 94.7 | 96.7 | 97.9 | 97.9 | 98.5 | 98.6 | 98.7 |
| ≥ 400 | 50.5 | 72.5 | 79.1 | 83.7 | 88.1 | 89.2 | 92.4 | 94.4 | 94.7 | 96.7 | 97.9 | 97.9 | 98.5 | 98.6 | 98.7 |
| ≥ 300 | 50.5 | 72.5 | 79.1 | 83.7 | 88.1 | 89.2 | 92.4 | 94.4 | 94.7 | 96.7 | 97.9 | 97.9 | 98.5 | 98.6 | 98.7 |
| ≥ 200 | 50.5 | 72.5 | 79.1 | 83.7 | 88.1 | 89.2 | 92.4 | 94.4 | 94.7 | 96.7 | 97.9 | 97.9 | 98.5 | 98.6 | 98.7 |
| ≥ 100 | 50.5 | 72.5 | 79.1 | 83.7 | 88.1 | 89.2 | 92.4 | 94.4 | 94.7 | 96.7 | 97.9 | 97.9 | 98.5 | 98.6 | 98.7 |
| ≥ 50 | 50.5 | 72.5 | 79.1 | 83.7 | 88.1 | 89.2 | 92.4 | 94.4 | 94.7 | 96.7 | 97.9 | 97.9 | 98.5 | 98.6 | 98.7 |

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
100227

STATION NAME
WARTOWN NY

74-83

YEARS

FEET
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-1100
AUGUST

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 34.4 | 33.6 | 33.6 | 33.9 | 34.1 | 34.2 | 34.3 | 34.3 | 34.3 | 34.3 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.5 |
| ≥20000 | 34.2 | 33.7 | 40.4 | 40.8 | 41.7 | 41.1 | 41.3 | 41.3 | 41.3 | 41.3 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.6 |
| ≥18000 | 34.3 | 33.7 | 40.4 | 40.8 | 41.7 | 41.1 | 41.3 | 41.3 | 41.3 | 41.3 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.6 |
| ≥16000 | 34.2 | 33.7 | 40.4 | 40.8 | 41.7 | 41.1 | 41.3 | 41.3 | 41.3 | 41.3 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.6 |
| ≥14000 | 34.4 | 40.1 | 40.8 | 41.1 | 41.4 | 41.5 | 41.6 | 41.6 | 41.6 | 41.6 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 42.0 |
| ≥12000 | 35.9 | 41.7 | 42.4 | 42.8 | 43.0 | 43.1 | 43.3 | 43.3 | 43.3 | 43.3 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.6 |
| ≥10000 | 37.9 | 45.5 | 46.5 | 46.8 | 47.7 | 47.2 | 47.3 | 47.3 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥9000 | 39.0 | 45.7 | 46.7 | 47.1 | 47.3 | 47.4 | 47.5 | 47.5 | 47.5 | 47.5 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 48.0 |
| ≥8000 | 40.7 | 48.9 | 50.4 | 51.2 | 51.4 | 51.5 | 51.7 | 51.7 | 51.7 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.1 |
| ≥7000 | 41.7 | 49.4 | 52.9 | 51.8 | 52.0 | 52.1 | 52.2 | 52.2 | 52.2 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.7 |
| ≥6000 | 41.3 | 50.9 | 52.5 | 53.3 | 53.8 | 53.9 | 54.0 | 54.1 | 54.1 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.6 |
| ≥5000 | 43.0 | 54.6 | 56.4 | 57.4 | 59.2 | 58.3 | 58.4 | 58.5 | 58.5 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 59.0 |
| ≥4500 | 43.4 | 55.2 | 57.1 | 58.2 | 59.9 | 59.0 | 59.1 | 59.2 | 59.2 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.7 |
| ≥4000 | 45.5 | 59.7 | 61.8 | 62.9 | 63.7 | 64.1 | 64.3 | 64.4 | 64.4 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.9 |
| ≥3500 | 45.9 | 61.8 | 64.4 | 66.1 | 66.9 | 67.3 | 67.5 | 67.6 | 67.6 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.1 |
| ≥3000 | 47.6 | 63.7 | 67.0 | 69.3 | 70.8 | 71.4 | 71.7 | 72.0 | 72.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 |
| ≥2500 | 47.8 | 65.4 | 68.9 | 71.9 | 73.9 | 74.5 | 74.9 | 75.2 | 75.2 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.7 |
| ≥2000 | 47.9 | 66.7 | 71.2 | 74.2 | 77.0 | 77.9 | 79.1 | 79.7 | 79.7 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.3 |
| ≥1800 | 49.7 | 67.1 | 71.7 | 74.9 | 77.8 | 78.7 | 80.1 | 80.7 | 80.7 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 |
| ≥1500 | 49.3 | 68.3 | 74.1 | 77.9 | 81.6 | 82.5 | 84.6 | 85.8 | 85.8 | 86.6 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 |
| ≥1200 | 47.7 | 69.5 | 75.4 | 79.4 | 83.5 | 84.5 | 87.0 | 88.5 | 88.5 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 |
| ≥1000 | 46.5 | 69.9 | 76.0 | 80.1 | 84.3 | 85.8 | 89.1 | 90.9 | 91.0 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.6 | 92.7 |
| ≥900 | 49.8 | 69.9 | 76.0 | 80.1 | 84.3 | 85.9 | 89.2 | 91.1 | 91.3 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 93.0 |
| ≥800 | 44.9 | 69.9 | 76.1 | 80.5 | 84.9 | 86.6 | 90.1 | 92.2 | 92.3 | 93.7 | 94.0 | 94.1 | 94.1 | 94.1 | 94.4 | 94.6 |
| ≥700 | 49.9 | 69.9 | 76.2 | 80.6 | 85.0 | 86.8 | 90.3 | 92.4 | 92.6 | 94.1 | 94.4 | 94.6 | 94.8 | 94.9 | 94.9 | 95.0 |
| ≥600 | 48.8 | 70.0 | 76.4 | 80.7 | 85.1 | 86.9 | 90.7 | 92.8 | 92.9 | 94.4 | 94.8 | 94.9 | 95.2 | 95.3 | 95.4 | 95.5 |
| ≥500 | 49.8 | 70.1 | 76.6 | 81.0 | 85.5 | 87.2 | 91.0 | 93.5 | 93.6 | 95.5 | 96.1 | 96.2 | 96.8 | 96.9 | 97.0 | 97.2 |
| ≥400 | 49.8 | 70.2 | 76.9 | 81.3 | 85.9 | 87.7 | 91.5 | 94.1 | 94.2 | 96.3 | 97.0 | 97.3 | 97.9 | 98.0 | 98.1 | 98.2 |
| ≥300 | 48.8 | 70.2 | 76.8 | 81.3 | 85.9 | 87.7 | 91.5 | 94.2 | 94.3 | 96.6 | 97.3 | 97.5 | 98.2 | 98.3 | 98.5 | 98.6 |
| ≥200 | 48.8 | 70.2 | 76.8 | 81.3 | 85.9 | 87.7 | 91.5 | 94.2 | 94.3 | 96.6 | 97.3 | 97.5 | 98.5 | 98.6 | 98.8 | 99.3 |
| ≥100 | 49.8 | 70.2 | 76.8 | 81.3 | 85.9 | 87.7 | 91.5 | 94.2 | 94.3 | 96.6 | 97.3 | 97.5 | 98.5 | 98.6 | 98.9 | 99.6 |
| ≥0 | 49.8 | 70.2 | 76.8 | 81.3 | 85.9 | 87.7 | 91.5 | 94.2 | 94.3 | 96.6 | 97.3 | 97.5 | 98.5 | 98.6 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 846

FEDERAL CLIMATOLOGY BRANCH
WAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12027
STATION

WATERTOWN NY

STATION NAME

74-83

YEAR

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1400

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 34.7 | 76.2 | 39.4 | 39.8 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 |
| ≥20000 | 39.9 | 43.4 | 44.6 | 45.1 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥18000 | 38.7 | 43.5 | 44.7 | 45.2 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| ≥16000 | 34.7 | 43.5 | 44.7 | 45.2 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| ≥14000 | 39.7 | 44.0 | 45.2 | 45.6 | 46.1 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| ≥12000 | 39.4 | 44.4 | 45.6 | 46.2 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 |
| ≥10000 | 41.7 | 47.6 | 48.8 | 49.4 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| ≥9000 | 42.2 | 48.3 | 49.5 | 50.1 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| ≥8000 | 43.1 | 50.5 | 52.2 | 53.0 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| ≥7000 | 43.9 | 51.5 | 53.3 | 54.0 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| ≥6000 | 44.4 | 53.1 | 55.3 | 56.0 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| ≥5000 | 44.1 | 56.1 | 58.4 | 59.2 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| ≥4500 | 44.6 | 57.1 | 59.5 | 60.3 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| ≥4000 | 47.6 | 59.0 | 62.6 | 63.6 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| ≥3500 | 49.2 | 62.1 | 65.0 | 66.1 | 66.5 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| ≥3000 | 50.0 | 65.5 | 69.0 | 70.3 | 71.6 | 71.7 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| ≥2500 | 50.9 | 68.6 | 73.0 | 74.8 | 76.4 | 76.5 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| ≥2000 | 51.7 | 70.6 | 75.5 | 77.5 | 81.7 | 81.9 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥1800 | 51.7 | 70.7 | 75.9 | 77.9 | 81.7 | 81.9 | 83.0 | 83.5 | 83.5 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| ≥1600 | 52.2 | 72.3 | 78.6 | 81.2 | 86.3 | 86.8 | 88.7 | 89.2 | 89.2 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥1400 | 52.9 | 73.4 | 80.3 | 83.1 | 88.7 | 89.1 | 91.7 | 92.9 | 92.9 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥1200 | 53.0 | 74.2 | 81.2 | 84.0 | 89.6 | 90.1 | 92.9 | 94.2 | 94.3 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥1000 | 53.0 | 74.2 | 81.2 | 84.0 | 89.6 | 90.1 | 92.9 | 94.2 | 94.3 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥900 | 53.0 | 74.2 | 81.2 | 84.0 | 89.6 | 90.1 | 92.9 | 94.2 | 94.3 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥800 | 53.0 | 74.2 | 81.2 | 84.0 | 89.6 | 90.1 | 92.9 | 94.2 | 94.3 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥700 | 53.0 | 74.2 | 81.3 | 84.2 | 89.7 | 90.2 | 93.0 | 94.8 | 94.9 | 96.2 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7 |
| ≥600 | 53.0 | 74.2 | 81.3 | 84.2 | 89.7 | 90.3 | 93.5 | 95.3 | 95.4 | 97.2 | 97.4 | 97.5 | 98.0 | 98.0 | 98.1 |
| ≥500 | 53.0 | 74.3 | 81.4 | 84.4 | 90.0 | 90.5 | 93.7 | 95.5 | 95.7 | 97.6 | 98.0 | 98.1 | 98.6 | 98.6 | 98.7 |
| ≥400 | 53.0 | 74.3 | 81.4 | 84.4 | 90.1 | 90.7 | 93.9 | 95.6 | 95.9 | 97.8 | 98.2 | 98.3 | 98.9 | 99.1 | 99.3 |
| ≥300 | 53.0 | 74.3 | 81.4 | 84.4 | 90.1 | 90.7 | 93.9 | 95.6 | 95.9 | 97.9 | 98.3 | 98.5 | 99.2 | 99.4 | 99.6 |
| ≥200 | 53.0 | 74.3 | 81.4 | 84.4 | 90.1 | 90.7 | 93.9 | 95.6 | 95.9 | 97.9 | 98.3 | 98.5 | 99.2 | 99.4 | 99.8 |
| ≥100 | 53.0 | 74.3 | 81.4 | 84.4 | 90.1 | 90.7 | 93.9 | 95.6 | 95.9 | 97.9 | 98.3 | 98.5 | 99.2 | 99.4 | 99.8 |
| ≥50 | 53.0 | 74.3 | 81.4 | 84.4 | 90.1 | 90.7 | 93.9 | 95.6 | 95.9 | 97.9 | 98.3 | 98.5 | 99.2 | 99.4 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 845

FEDERAL CLIMATOLOGY BRANCH
ETAC
AIR FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 74-57 YEAR 1950-1951

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| ≥20000 | 37.0 | 36.2 | 35.6 | 37.0 | 37.7 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥18000 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥16000 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥14000 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥12000 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥10000 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥8000 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥6000 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥4000 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥2000 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥1000 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥800 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥600 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥400 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥200 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥100 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥50 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥20 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥10 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥5 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥2 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥1 | 37.0 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |

TOTAL NUMBER OF OBSERVATIONS 546

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
WAFETAC
AL WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
227

STATION NAME
WATERTOWN NY

YEARS
74-83

PERIOD
JUN 74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15-0-2000
NO. OF YEARS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| NO. CEILING ≥20000 | 37.3 | 38.5 | 39.2 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 |
| ≥18000 | 39.7 | 43.7 | 44.4 | 44.8 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| ≥16000 | 39.7 | 43.7 | 44.4 | 44.8 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| ≥14000 | 40.1 | 45.0 | 45.7 | 46.2 | 46.2 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| ≥12000 | 41.3 | 46.5 | 47.2 | 47.6 | 47.6 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| ≥10000 | 44.2 | 50.4 | 51.1 | 51.5 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| ≥9000 | 44.3 | 50.6 | 51.3 | 51.8 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥8000 | 46.5 | 54.6 | 55.4 | 56.0 | 56.1 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| ≥7000 | 46.6 | 55.1 | 56.0 | 56.6 | 56.7 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| ≥6000 | 47.8 | 56.7 | 57.7 | 58.3 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| ≥5000 | 49.8 | 59.9 | 61.1 | 61.7 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| ≥4500 | 50.7 | 61.6 | 62.8 | 63.5 | 63.6 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| ≥4000 | 51.9 | 64.3 | 65.8 | 66.7 | 66.8 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| ≥3500 | 53.0 | 67.8 | 69.5 | 70.3 | 70.4 | 70.6 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| ≥3000 | 55.2 | 72.2 | 74.2 | 75.5 | 75.7 | 75.8 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| ≥2500 | 55.9 | 75.2 | 78.7 | 80.9 | 81.7 | 81.8 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥2000 | 56.4 | 78.4 | 81.9 | 84.9 | 86.4 | 86.5 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| ≥1800 | 56.4 | 79.4 | 83.1 | 86.1 | 87.6 | 87.8 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥1600 | 57.4 | 80.7 | 85.5 | 89.1 | 92.0 | 92.2 | 92.8 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥1400 | 57.4 | 81.0 | 85.7 | 89.6 | 92.6 | 92.8 | 94.0 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥1200 | 56.5 | 81.1 | 85.8 | 89.7 | 93.1 | 93.4 | 94.7 | 95.5 | 95.5 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥1000 | 56.5 | 81.1 | 85.8 | 89.8 | 93.4 | 93.9 | 95.2 | 96.0 | 96.0 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥900 | 56.5 | 81.2 | 85.9 | 90.0 | 93.5 | 94.0 | 95.5 | 96.5 | 96.5 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥800 | 56.5 | 81.2 | 85.9 | 90.0 | 93.5 | 94.0 | 95.5 | 96.5 | 96.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥700 | 56.5 | 81.2 | 85.9 | 90.0 | 93.5 | 94.1 | 95.6 | 96.6 | 96.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥600 | 56.5 | 81.2 | 85.9 | 90.0 | 93.5 | 94.1 | 95.6 | 96.6 | 96.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥500 | 56.5 | 81.2 | 85.9 | 90.0 | 93.5 | 94.1 | 95.6 | 96.6 | 96.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥400 | 56.5 | 81.2 | 85.9 | 90.0 | 93.5 | 94.1 | 95.6 | 96.6 | 96.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥300 | 56.5 | 81.2 | 85.9 | 90.0 | 93.5 | 94.1 | 95.6 | 96.6 | 96.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥200 | 56.5 | 81.2 | 85.9 | 90.0 | 93.5 | 94.1 | 96.0 | 97.0 | 97.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥100 | 56.5 | 81.2 | 85.9 | 90.0 | 93.5 | 94.1 | 96.0 | 97.0 | 97.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥0 | 56.5 | 81.4 | 86.2 | 90.2 | 93.7 | 94.3 | 96.2 | 97.3 | 97.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |

TOTAL NUMBER OF OBSERVATIONS 846

CLIMATOLOGY BRANCH
WATERTOWN
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20-267
STATION

WATERTOWN NY

STATION NAME

74-83

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|-------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0 |
| NO CEILING | 33.7 | 6.3 | 36.9 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥ 20000 | 35.5 | 39.6 | 40.1 | 40.3 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 |
| ≥ 18000 | 35.5 | 39.6 | 40.1 | 40.3 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 |
| ≥ 16000 | 35.5 | 39.6 | 40.1 | 40.3 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 |
| ≥ 14000 | 35.5 | 40.0 | 40.4 | 40.7 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| ≥ 12000 | 37.2 | 42.3 | 42.8 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| ≥ 10000 | 41.6 | 47.0 | 47.5 | 48.0 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 |
| ≥ 9000 | 42.2 | 47.6 | 48.1 | 48.6 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| ≥ 8000 | 45.7 | 50.7 | 51.2 | 51.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| ≥ 7000 | 46.0 | 52.1 | 52.7 | 53.2 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| ≥ 6000 | 47.7 | 53.4 | 54.4 | 54.8 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| ≥ 5000 | 50.9 | 59.9 | 61.1 | 61.6 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| ≥ 4500 | 52.1 | 61.9 | 63.2 | 63.7 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| ≥ 4000 | 54.3 | 65.8 | 67.1 | 67.7 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| ≥ 3500 | 56.0 | 71.0 | 72.6 | 73.2 | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| ≥ 3000 | 57.6 | 75.3 | 77.4 | 78.4 | 79.1 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| ≥ 2500 | 57.9 | 77.7 | 80.7 | 81.9 | 83.2 | 83.3 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| ≥ 2000 | 59.2 | 81.9 | 85.3 | 86.5 | 88.3 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 1800 | 59.2 | 82.7 | 86.6 | 87.8 | 90.0 | 90.3 | 90.5 | 90.5 | 90.5 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 1500 | 59.3 | 84.4 | 89.0 | 90.2 | 92.8 | 93.1 | 93.5 | 93.5 | 93.5 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 1200 | 59.5 | 84.6 | 89.7 | 91.1 | 94.1 | 94.3 | 94.9 | 94.9 | 94.9 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 1000 | 59.5 | 84.8 | 89.8 | 91.3 | 94.4 | 94.8 | 95.9 | 96.0 | 96.2 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 900 | 59.5 | 84.8 | 90.0 | 91.4 | 94.6 | 94.9 | 96.1 | 96.2 | 96.2 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 800 | 59.5 | 84.9 | 90.1 | 91.5 | 94.9 | 95.2 | 96.5 | 96.9 | 96.9 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 |
| ≥ 700 | 59.5 | 84.9 | 90.2 | 91.6 | 94.9 | 95.3 | 96.6 | 97.0 | 97.0 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 |
| ≥ 600 | 59.5 | 84.9 | 90.2 | 91.6 | 94.9 | 95.4 | 96.8 | 97.3 | 97.3 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 |
| ≥ 500 | 59.5 | 84.9 | 90.2 | 91.6 | 94.9 | 95.4 | 96.8 | 97.3 | 97.3 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 |
| ≥ 400 | 59.5 | 84.9 | 90.2 | 91.6 | 94.9 | 95.4 | 96.8 | 97.3 | 97.3 | 98.9 | 98.9 | 98.9 | 99.4 | 99.4 | 99.4 |
| ≥ 300 | 59.5 | 84.9 | 90.2 | 91.6 | 94.9 | 95.4 | 96.8 | 97.3 | 97.3 | 98.9 | 98.9 | 98.9 | 99.4 | 99.4 | 99.4 |
| ≥ 200 | 59.5 | 84.9 | 90.2 | 91.6 | 94.9 | 95.4 | 96.8 | 97.3 | 97.4 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 |
| ≥ 100 | 59.5 | 84.9 | 90.2 | 91.6 | 94.9 | 95.4 | 96.8 | 97.3 | 97.4 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 |
| ≥ 0 | 59.5 | 84.9 | 90.2 | 91.6 | 94.9 | 95.4 | 96.8 | 97.3 | 97.4 | 99.1 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS 646

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 227 WATER TOWN NY STATION NAME

74-83

YEARS

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL MONTHS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 32.4 | 35.9 | 35.5 | 36.8 | 36.9 | 36.9 | 37.0 | 37.0 | 37.0 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.2 |
| ≥ 20000 | 34.1 | 40.4 | 41.7 | 41.3 | 41.5 | 41.5 | 41.6 | 41.6 | 41.6 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.8 |
| ≥ 18000 | 34.2 | 40.4 | 41.1 | 41.4 | 41.5 | 41.6 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.8 | 41.8 |
| ≥ 16000 | 34.2 | 40.4 | 41.1 | 41.4 | 41.5 | 41.6 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.8 | 41.8 |
| ≥ 14000 | 34.7 | 41.0 | 41.7 | 42.0 | 42.2 | 42.2 | 42.3 | 42.3 | 42.3 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.5 |
| ≥ 12000 | 37.9 | 42.5 | 43.2 | 43.5 | 43.7 | 43.7 | 43.8 | 43.8 | 43.8 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 44.0 |
| ≥ 10000 | 40.7 | 46.0 | 46.8 | 47.1 | 47.4 | 47.4 | 47.5 | 47.5 | 47.5 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.7 | 47.7 |
| ≥ 9000 | 41.1 | 46.5 | 47.3 | 47.6 | 47.9 | 47.9 | 48.0 | 48.0 | 48.0 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.2 | 48.2 |
| ≥ 8000 | 43.1 | 47.5 | 50.5 | 51.0 | 51.3 | 51.3 | 51.4 | 51.4 | 51.4 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.6 |
| ≥ 7000 | 43.4 | 50.2 | 51.3 | 51.8 | 52.1 | 52.1 | 52.2 | 52.2 | 52.2 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.4 |
| ≥ 6000 | 44.7 | 51.9 | 53.2 | 53.3 | 54.1 | 54.1 | 54.2 | 54.2 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.4 |
| ≥ 5000 | 47.7 | 56.0 | 57.6 | 58.2 | 58.6 | 58.6 | 58.7 | 58.7 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.9 |
| ≥ 4500 | 47.7 | 57.6 | 59.2 | 59.9 | 60.3 | 60.3 | 60.4 | 60.4 | 60.4 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.6 |
| ≥ 4000 | 49.5 | 61.0 | 62.8 | 63.6 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.4 | 64.4 |
| ≥ 3500 | 51.1 | 64.3 | 66.5 | 67.4 | 67.9 | 68.0 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 |
| ≥ 3000 | 52.7 | 68.0 | 70.8 | 72.1 | 73.2 | 73.4 | 73.7 | 73.7 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.9 |
| ≥ 2500 | 53.5 | 71.0 | 74.6 | 76.4 | 77.9 | 78.1 | 78.5 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.8 |
| ≥ 2000 | 54.3 | 74.1 | 79.2 | 80.4 | 82.6 | 83.0 | 83.7 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 |
| ≥ 1800 | 54.5 | 74.8 | 79.2 | 81.4 | 83.8 | 84.2 | 85.0 | 85.2 | 85.2 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 |
| ≥ 1500 | 54.7 | 76.4 | 81.4 | 84.1 | 87.3 | 87.7 | 89.0 | 89.5 | 89.5 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 90.0 |
| ≥ 1200 | 54.8 | 77.0 | 82.5 | 85.4 | 89.0 | 89.5 | 91.3 | 92.0 | 92.0 | 92.4 | 92.5 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 |
| ≥ 1000 | 54.8 | 77.3 | 83.0 | 86.0 | 90.0 | 90.5 | 92.9 | 93.8 | 93.9 | 94.7 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 95.0 |
| ≥ 900 | 54.7 | 77.4 | 83.0 | 86.1 | 90.1 | 90.8 | 93.1 | 94.1 | 94.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 |
| ≥ 800 | 54.9 | 77.5 | 83.2 | 86.3 | 90.4 | 91.1 | 93.6 | 94.8 | 94.9 | 96.1 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.5 |
| ≥ 700 | 54.9 | 77.5 | 83.3 | 86.4 | 90.6 | 91.2 | 93.9 | 95.0 | 95.1 | 96.4 | 96.7 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 |
| ≥ 600 | 54.9 | 77.6 | 83.4 | 86.5 | 90.7 | 91.4 | 94.2 | 95.4 | 95.5 | 97.0 | 97.2 | 97.2 | 97.4 | 97.5 | 97.5 | 97.6 |
| ≥ 500 | 54.9 | 77.6 | 83.4 | 86.6 | 90.8 | 91.5 | 94.4 | 95.7 | 95.8 | 97.5 | 97.8 | 97.8 | 98.2 | 98.3 | 98.3 | 98.4 |
| ≥ 400 | 54.9 | 77.6 | 83.5 | 86.6 | 90.9 | 91.6 | 94.5 | 95.9 | 96.1 | 97.8 | 98.1 | 98.2 | 98.6 | 98.7 | 98.8 | 98.9 |
| ≥ 300 | 54.9 | 77.6 | 83.5 | 86.6 | 90.9 | 91.7 | 94.7 | 96.1 | 96.2 | 98.0 | 98.4 | 98.4 | 98.9 | 99.0 | 99.2 | 99.3 |
| ≥ 200 | 54.9 | 77.6 | 83.5 | 86.6 | 90.9 | 91.7 | 94.7 | 96.1 | 96.2 | 98.0 | 98.4 | 98.5 | 99.1 | 99.2 | 99.4 | 99.6 |
| ≥ 100 | 54.9 | 77.6 | 83.5 | 86.6 | 90.9 | 91.7 | 94.7 | 96.1 | 96.2 | 98.1 | 98.5 | 98.5 | 99.1 | 99.2 | 99.5 | 99.7 |
| ≥ 50 | 54.9 | 77.6 | 83.5 | 86.7 | 91.0 | 91.7 | 94.7 | 96.1 | 96.3 | 98.1 | 98.5 | 98.6 | 99.1 | 99.3 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 6768

CEILING VERSUS VISIBILITY

74-83

4A5

~~100-0230~~

[illegible]TOTAL NUMBER OF OBSERVATIONS 926

USAF ETAC FORM 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOCLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227
STATION

LAIRPORT NY
STATION NAME

74-83
YEARS

MAP
DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-0500
NO. OF

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.3 | ≥0.2 | ≥0.1 | ≥0.05 | ≥0.03 | ≥0.01 |
| NO CEILING | 34.5 | 35.9 | 39.4 | 39.5 | 39.8 | 39.8 | 39.8 | 39.8 | 39.9 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.1 | 40.1 |
| ≥20000 | 35.9 | 41.1 | 41.5 | 41.7 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.4 | 42.4 |
| ≥18000 | 35.9 | 41.1 | 41.5 | 41.7 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.4 | 42.4 |
| ≥16000 | 35.9 | 41.1 | 41.5 | 41.7 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.4 | 42.4 |
| ≥14000 | 36.6 | 41.9 | 42.3 | 42.5 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.1 | 43.1 |
| ≥12000 | 37.6 | 43.0 | 43.5 | 43.7 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.3 | 44.3 |
| ≥10000 | 40.5 | 46.9 | 47.4 | 47.6 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.2 | 48.2 |
| ≥9000 | 40.6 | 47.1 | 47.6 | 47.8 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.4 | 48.4 |
| ≥8000 | 42.1 | 49.6 | 50.3 | 50.5 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.1 | 51.1 |
| ≥7000 | 42.3 | 50.4 | 51.0 | 51.2 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 52.0 | 52.0 |
| ≥6000 | 44.0 | 53.4 | 54.2 | 54.5 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.2 | 55.2 |
| ≥5000 | 45.4 | 56.2 | 57.2 | 57.5 | 57.9 | 57.9 | 57.9 | 58.0 | 58.0 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.4 | 58.4 |
| ≥4500 | 48.1 | 58.5 | 59.4 | 59.8 | 60.2 | 60.2 | 60.2 | 60.3 | 60.3 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.6 | 60.6 |
| ≥4000 | 50.4 | 62.4 | 63.4 | 64.2 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 |
| ≥3500 | 51.2 | 64.7 | 65.8 | 66.7 | 67.4 | 67.4 | 67.4 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.9 | 67.9 |
| ≥3000 | 53.3 | 68.6 | 69.9 | 71.2 | 72.0 | 72.0 | 72.0 | 72.1 | 72.1 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.4 | 72.4 |
| ≥2500 | 54.6 | 72.2 | 73.7 | 75.1 | 75.8 | 75.8 | 75.8 | 75.9 | 75.9 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.3 | 76.3 |
| ≥2000 | 56.3 | 76.9 | 79.0 | 80.6 | 81.9 | 81.9 | 82.1 | 82.2 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.5 | 82.5 |
| ≥1800 | 56.4 | 77.9 | 80.0 | 82.3 | 83.6 | 83.6 | 83.9 | 84.1 | 84.1 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.5 | 84.5 |
| ≥1500 | 57.0 | 79.2 | 82.0 | 84.5 | 85.8 | 85.8 | 86.3 | 86.6 | 86.6 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.9 | 86.9 |
| ≥1200 | 57.0 | 79.9 | 82.7 | 85.4 | 86.9 | 87.1 | 88.0 | 88.3 | 88.3 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 |
| ≥1000 | 57.0 | 80.7 | 83.9 | 86.7 | 88.6 | 88.8 | 90.1 | 90.7 | 90.7 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 |
| ≥900 | 57.0 | 80.7 | 83.9 | 86.8 | 88.7 | 88.9 | 90.4 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 |
| ≥800 | 57.0 | 80.7 | 84.3 | 87.3 | 89.5 | 89.8 | 91.5 | 92.7 | 92.7 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 |
| ≥700 | 57.0 | 80.9 | 84.6 | 87.6 | 90.1 | 90.3 | 92.1 | 93.4 | 93.4 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 |
| ≥600 | 57.0 | 81.1 | 84.9 | 87.9 | 90.7 | 90.9 | 93.1 | 94.5 | 94.5 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 |
| ≥500 | 57.0 | 81.1 | 85.1 | 88.3 | 91.3 | 91.6 | 93.9 | 95.6 | 95.6 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 |
| ≥400 | 57.0 | 81.3 | 85.3 | 88.7 | 92.0 | 92.3 | 94.6 | 96.5 | 96.5 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 |
| ≥300 | 57.0 | 81.3 | 85.3 | 88.7 | 92.1 | 92.4 | 94.7 | 96.8 | 96.8 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 |
| ≥200 | 57.0 | 81.3 | 85.3 | 88.7 | 92.1 | 92.4 | 94.7 | 96.9 | 96.9 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 |
| ≥100 | 57.0 | 81.3 | 85.3 | 88.7 | 92.1 | 92.4 | 94.7 | 96.9 | 96.9 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 |
| ≥0 | 57.0 | 81.3 | 85.3 | 88.7 | 92.1 | 92.4 | 94.7 | 96.9 | 96.9 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 |

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE /MAC

CEILING VERSUS VISIBILITY

74-83
 STATION NAME

74-83

MAZ

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0000

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 31.4 | 35.2 | 36.3 | 36.7 | 37.2 | 37.2 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| ≥ 20000 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 18000 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 16000 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 14000 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 12000 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 10000 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 9000 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 8000 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 7000 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 6000 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 5000 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 4500 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 4000 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 3500 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 3000 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 2500 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 2000 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 1800 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 1500 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 1200 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 1000 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 900 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 800 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 700 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 600 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 500 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 400 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 300 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 200 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 100 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 0 | 33.4 | 38.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
WAFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 227 WATER TOWN NY

74-83

MAP
MOON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

200-1100
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|-------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0 |
| ≥ 20000 | 34.3 | 36.1 | 39.1 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 |
| ≥ 18000 | 37.3 | 41.3 | 43.0 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 16000 | 37.3 | 41.9 | 43.0 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 14000 | 37.3 | 41.9 | 43.0 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 12000 | 37.6 | 42.5 | 43.5 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| ≥ 10000 | 39.5 | 43.7 | 44.8 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| ≥ 9000 | 41.1 | 47.1 | 48.3 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 |
| ≥ 8000 | 41.4 | 47.4 | 48.6 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 |
| ≥ 7000 | 42.9 | 50.8 | 52.0 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| ≥ 6000 | 43.2 | 51.6 | 52.9 | 53.4 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| ≥ 5000 | 43.7 | 52.4 | 53.8 | 54.3 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| ≥ 4500 | 44.4 | 54.2 | 56.0 | 56.6 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| ≥ 4000 | 44.7 | 55.4 | 57.2 | 57.7 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| ≥ 3500 | 45.6 | 58.3 | 60.2 | 61.0 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| ≥ 3000 | 47.2 | 60.2 | 62.3 | 63.1 | 63.5 | 63.5 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| ≥ 2500 | 50.0 | 65.1 | 68.2 | 69.4 | 70.3 | 70.3 | 70.5 | 70.5 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| ≥ 2000 | 52.0 | 68.0 | 71.5 | 73.1 | 74.2 | 74.4 | 74.7 | 74.7 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| ≥ 1800 | 53.1 | 70.4 | 74.3 | 76.2 | 77.4 | 77.7 | 78.1 | 78.1 | 78.1 | 78.3 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| ≥ 1600 | 53.3 | 70.9 | 75.3 | 77.2 | 78.4 | 78.7 | 79.0 | 79.0 | 79.0 | 79.2 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| ≥ 1400 | 53.9 | 72.3 | 77.5 | 80.0 | 81.6 | 82.0 | 82.8 | 82.8 | 82.8 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| ≥ 1200 | 54.2 | 73.3 | 78.9 | 81.6 | 83.4 | 84.0 | 84.8 | 84.8 | 84.8 | 85.4 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| ≥ 1000 | 54.6 | 74.3 | 80.5 | 83.9 | 86.0 | 86.7 | 87.8 | 88.1 | 88.1 | 88.8 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 900 | 54.7 | 74.7 | 81.7 | 84.6 | 86.9 | 87.5 | 89.1 | 89.5 | 89.5 | 90.2 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 800 | 54.7 | 75.1 | 81.3 | 85.2 | 87.4 | 88.1 | 89.9 | 90.3 | 90.3 | 91.1 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 700 | 54.7 | 75.3 | 81.5 | 85.9 | 88.5 | 89.1 | 91.0 | 91.6 | 91.6 | 92.7 | 93.7 | 93.8 | 93.9 | 93.9 | 93.9 |
| ≥ 600 | 54.7 | 75.4 | 81.8 | 86.3 | 89.1 | 89.8 | 91.6 | 92.5 | 92.5 | 93.5 | 94.5 | 94.6 | 94.8 | 94.8 | 94.8 |
| ≥ 500 | 54.8 | 75.7 | 82.4 | 86.9 | 90.3 | 91.1 | 92.9 | 94.0 | 94.0 | 95.2 | 96.3 | 96.6 | 97.0 | 97.0 | 97.1 |
| ≥ 400 | 54.9 | 75.9 | 82.7 | 87.2 | 90.9 | 91.6 | 93.5 | 94.8 | 94.8 | 96.0 | 97.2 | 97.4 | 97.8 | 97.8 | 98.0 |
| ≥ 300 | 54.9 | 75.9 | 82.8 | 87.4 | 91.1 | 91.8 | 93.9 | 95.3 | 95.4 | 96.6 | 97.7 | 98.0 | 98.7 | 98.8 | 99.0 |
| ≥ 200 | 54.9 | 75.9 | 82.8 | 87.4 | 91.2 | 91.9 | 94.0 | 95.4 | 95.5 | 96.8 | 98.0 | 98.2 | 98.9 | 99.0 | 99.5 |
| ≥ 100 | 54.9 | 75.9 | 82.8 | 87.4 | 91.2 | 91.9 | 94.0 | 95.4 | 95.5 | 96.8 | 98.0 | 98.2 | 98.9 | 99.0 | 99.5 |
| ≥ 0 | 54.9 | 75.9 | 82.8 | 87.4 | 91.2 | 91.9 | 94.0 | 95.4 | 95.5 | 96.8 | 98.0 | 98.2 | 98.9 | 99.0 | 99.5 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
COMPTON
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

ALERTOWN NY

STATION NAME

74-63

YEARS

MAP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|-------|--------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 |
| ≥20000 | 33.3 | 37.2 | 37.8 | 38.1 | 38.7 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 |
| ≥18000 | 35.1 | 40.9 | 41.6 | 41.8 | 41.9 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 |
| ≥16000 | 36.1 | 40.9 | 41.6 | 41.8 | 41.9 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 |
| ≥14000 | 36.5 | 41.2 | 42.0 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 |
| ≥12000 | 37.4 | 42.2 | 43.0 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| ≥10000 | 40.0 | 45.2 | 46.2 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| ≥9000 | 40.0 | 45.8 | 46.9 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| ≥8000 | 42.0 | 48.5 | 49.9 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |
| ≥7000 | 42.0 | 48.9 | 50.3 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| ≥6000 | 43.2 | 50.5 | 52.1 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| ≥5000 | 44.7 | 53.3 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥4500 | 45.4 | 55.1 | 56.7 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| ≥4000 | 46.6 | 58.1 | 59.7 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| ≥3500 | 47.1 | 59.1 | 60.8 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| ≥3000 | 48.9 | 63.8 | 65.7 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| ≥2500 | 53.2 | 68.9 | 71.1 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| ≥2000 | 55.2 | 73.1 | 77.1 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| ≥1800 | 55.5 | 73.8 | 78.0 | 79.5 | 79.7 | 79.8 | 80.1 | 80.1 | 80.2 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| ≥1500 | 56.3 | 75.8 | 80.3 | 81.9 | 82.5 | 82.7 | 83.2 | 83.3 | 83.4 | 83.8 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥1200 | 57.0 | 77.4 | 82.3 | 83.9 | 84.5 | 84.7 | 85.3 | 85.5 | 85.6 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥1000 | 57.5 | 78.8 | 84.3 | 86.2 | 87.3 | 87.7 | 88.7 | 89.2 | 89.4 | 89.9 | 90.1 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥900 | 57.6 | 79.3 | 84.7 | 86.7 | 87.7 | 88.4 | 89.4 | 89.9 | 90.0 | 90.5 | 90.9 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥800 | 57.6 | 79.2 | 85.1 | 87.1 | 88.3 | 88.9 | 90.2 | 90.8 | 90.9 | 91.4 | 91.8 | 91.9 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥700 | 57.6 | 79.4 | 85.5 | 87.7 | 89.0 | 89.7 | 91.0 | 91.5 | 91.8 | 92.6 | 93.0 | 93.1 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥600 | 57.6 | 79.8 | 86.7 | 88.7 | 90.1 | 90.8 | 92.2 | 92.8 | 93.2 | 94.0 | 94.4 | 94.5 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥500 | 57.6 | 80.2 | 86.8 | 89.8 | 91.3 | 91.9 | 94.0 | 94.7 | 95.3 | 96.2 | 96.9 | 97.0 | 98.2 | 98.2 | 98.3 | 98.4 |
| ≥400 | 57.6 | 80.2 | 86.8 | 89.8 | 91.3 | 91.9 | 94.0 | 94.7 | 95.3 | 96.2 | 96.9 | 97.0 | 98.8 | 98.8 | 98.9 | 99.0 |
| ≥300 | 57.6 | 80.2 | 86.8 | 89.8 | 91.3 | 91.9 | 94.2 | 94.9 | 95.5 | 96.6 | 97.3 | 97.4 | 99.5 | 99.5 | 99.6 | 99.7 |
| ≥200 | 57.6 | 80.2 | 86.8 | 89.8 | 91.3 | 91.9 | 94.2 | 94.9 | 95.5 | 96.6 | 97.3 | 97.4 | 99.5 | 99.5 | 99.6 | 99.7 |
| ≥100 | 57.6 | 80.2 | 86.8 | 89.8 | 91.3 | 91.9 | 94.2 | 94.9 | 95.5 | 96.6 | 97.3 | 97.4 | 99.5 | 99.5 | 99.6 | 100.0 |
| ≥0 | 57.6 | 80.2 | 86.8 | 89.8 | 91.3 | 91.9 | 94.2 | 94.9 | 95.5 | 96.6 | 97.3 | 97.4 | 99.5 | 99.5 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
4227

STATION NAME
WARTOWN NY

74-83

YEARS

MONTH
MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1970-1973
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING ≥ 20000 | 32.2 | 30.2 | 36.5 | 36.5 | 36.5 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.5 | 36.6 | 36.6 | 36.6 | 36.6 |
| ≥ 18000 | 34.1 | 41.0 | 41.6 | 41.6 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| ≥ 16000 | 34.1 | 41.0 | 41.6 | 41.6 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| ≥ 14000 | 34.2 | 41.1 | 41.7 | 41.7 | 41.9 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 |
| ≥ 12000 | 34.9 | 41.6 | 42.4 | 42.4 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 |
| ≥ 10000 | 37.7 | 42.7 | 43.4 | 43.4 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥ 9000 | 39.7 | 44.9 | 45.7 | 45.7 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| ≥ 8000 | 39.8 | 45.1 | 45.8 | 45.8 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| ≥ 7000 | 41.3 | 47.4 | 48.4 | 48.4 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| ≥ 6000 | 41.5 | 47.8 | 48.8 | 48.8 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 |
| ≥ 5000 | 42.5 | 49.1 | 50.2 | 50.2 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| ≥ 4500 | 44.5 | 53.2 | 54.4 | 54.4 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| ≥ 4000 | 45.6 | 54.7 | 55.9 | 55.9 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| ≥ 3500 | 49.3 | 59.1 | 60.4 | 60.4 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| ≥ 3000 | 49.9 | 61.4 | 63.0 | 63.0 | 63.9 | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| ≥ 2500 | 53.3 | 66.6 | 68.4 | 68.4 | 69.5 | 69.5 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| ≥ 2000 | 55.3 | 70.5 | 73.1 | 74.0 | 75.1 | 75.1 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| ≥ 1800 | 57.2 | 74.9 | 78.6 | 80.2 | 81.7 | 81.7 | 81.9 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 1500 | 57.2 | 75.1 | 78.9 | 80.5 | 82.0 | 82.0 | 82.3 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| ≥ 1200 | 57.8 | 76.7 | 80.9 | 83.2 | 84.9 | 85.3 | 85.8 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| ≥ 1000 | 59.1 | 77.5 | 82.0 | 84.6 | 86.7 | 87.1 | 87.7 | 88.1 | 88.2 | 88.3 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 900 | 59.2 | 76.5 | 83.3 | 86.2 | 88.5 | 88.9 | 89.7 | 90.1 | 90.4 | 90.5 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 |
| ≥ 800 | 59.2 | 78.7 | 83.5 | 86.5 | 88.9 | 89.5 | 90.3 | 91.1 | 91.7 | 91.8 | 92.3 | 92.3 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 700 | 59.2 | 78.8 | 83.8 | 86.7 | 89.4 | 89.9 | 91.1 | 91.8 | 92.6 | 93.2 | 93.6 | 93.8 | 94.2 | 94.2 | 94.3 | 94.3 |
| ≥ 600 | 59.2 | 79.0 | 84.0 | 87.0 | 89.7 | 90.3 | 91.8 | 92.7 | 93.4 | 94.4 | 95.1 | 95.1 | 95.7 | 95.7 | 95.8 | 95.8 |
| ≥ 500 | 59.2 | 79.1 | 84.3 | 87.4 | 90.4 | 91.2 | 92.9 | 94.0 | 94.9 | 96.0 | 97.0 | 97.0 | 98.0 | 98.1 | 98.3 | 98.3 |
| ≥ 400 | 59.2 | 79.1 | 84.4 | 87.5 | 90.5 | 91.3 | 93.1 | 94.3 | 95.3 | 96.5 | 97.4 | 97.4 | 98.6 | 98.8 | 99.0 | 99.0 |
| ≥ 300 | 59.2 | 79.1 | 84.4 | 87.6 | 90.8 | 91.5 | 93.4 | 94.7 | 95.8 | 97.0 | 98.0 | 98.0 | 99.2 | 99.7 | 99.9 | 99.9 |
| ≥ 200 | 59.2 | 79.1 | 84.4 | 87.6 | 90.9 | 91.6 | 93.5 | 94.8 | 95.9 | 97.1 | 98.1 | 98.1 | 99.4 | 99.8 | 100.0 | 100.0 |
| ≥ 100 | 59.2 | 79.1 | 84.4 | 87.6 | 90.9 | 91.6 | 93.5 | 94.8 | 95.9 | 97.1 | 98.1 | 98.1 | 99.4 | 99.8 | 100.0 | 100.0 |
| ≥ 0 | 59.2 | 79.1 | 84.4 | 87.6 | 90.9 | 91.6 | 93.5 | 94.8 | 95.9 | 97.1 | 98.1 | 98.1 | 99.4 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

227
STATION

WATERTOWN NY
STATION NAME

74-83
YEARS

MAP
DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1980-2000
PERIOD

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| | ≥10 | ≥8 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1.4 | ≥1 | ≥.75 | ≥.5 | ≥.25 | ≥.2 | ≥.16 | ≥.1 |
| NO. CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | 32.7 | 36.6 | 35.7 | 36.8 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 |
| ≥ 18000 | 35.5 | 41.1 | 41.6 | 41.8 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 16000 | 36.6 | 41.2 | 41.7 | 41.9 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 |
| ≥ 14000 | 37.6 | 42.3 | 42.8 | 43.0 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| ≥ 12000 | 39.5 | 44.2 | 44.9 | 45.2 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 |
| ≥ 10000 | 43.1 | 48.1 | 48.9 | 49.1 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| ≥ 9000 | 43.1 | 48.1 | 48.9 | 49.1 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| ≥ 8000 | 43.1 | 49.1 | 50.0 | 50.2 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| ≥ 7000 | 44.5 | 50.3 | 51.2 | 51.4 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| ≥ 6000 | 45.2 | 51.4 | 52.4 | 52.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| ≥ 5000 | 47.5 | 56.0 | 57.0 | 57.4 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 |
| ≥ 4500 | 48.7 | 57.4 | 58.4 | 58.8 | 59.7 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| ≥ 4000 | 50.9 | 62.3 | 63.3 | 63.8 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| ≥ 3500 | 53.0 | 66.7 | 68.1 | 68.5 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| ≥ 3000 | 54.5 | 68.6 | 71.3 | 71.7 | 72.4 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| ≥ 2500 | 55.4 | 71.9 | 74.1 | 74.8 | 76.1 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| ≥ 2000 | 57.1 | 75.2 | 78.3 | 79.4 | 81.7 | 81.5 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥ 1800 | 57.1 | 75.3 | 79.9 | 80.1 | 81.7 | 82.4 | 82.8 | 82.8 | 82.6 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| ≥ 1500 | 57.3 | 76.5 | 80.3 | 81.7 | 83.9 | 84.5 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 1200 | 57.4 | 77.2 | 81.3 | 82.9 | 85.2 | 85.8 | 87.2 | 87.5 | 87.5 | 87.7 | 87.8 | 87.8 | 88.0 | 88.1 | 88.1 | 88.1 |
| ≥ 1000 | 57.4 | 77.8 | 81.9 | 83.8 | 86.7 | 87.4 | 89.0 | 89.4 | 89.4 | 90.1 | 90.3 | 90.3 | 90.5 | 90.6 | 90.6 | 90.6 |
| ≥ 900 | 57.4 | 78.0 | 82.2 | 84.0 | 87.7 | 87.7 | 89.6 | 89.9 | 89.9 | 90.8 | 91.2 | 91.2 | 91.4 | 91.5 | 91.5 | 91.5 |
| ≥ 800 | 57.5 | 78.1 | 82.4 | 84.3 | 87.5 | 88.3 | 90.2 | 90.8 | 90.9 | 92.0 | 92.6 | 92.6 | 92.6 | 92.9 | 92.9 | 92.9 |
| ≥ 700 | 57.5 | 78.1 | 82.5 | 84.6 | 88.2 | 89.0 | 91.4 | 91.9 | 92.0 | 93.2 | 94.1 | 94.1 | 94.4 | 94.5 | 94.5 | 94.5 |
| ≥ 600 | 57.5 | 78.3 | 82.7 | 84.8 | 88.4 | 89.2 | 92.0 | 92.6 | 92.7 | 93.9 | 94.8 | 94.8 | 95.2 | 95.3 | 95.3 | 95.3 |
| ≥ 500 | 57.5 | 78.3 | 82.7 | 84.9 | 88.7 | 89.6 | 92.7 | 93.3 | 93.4 | 94.9 | 96.0 | 96.1 | 96.7 | 96.8 | 97.1 | 97.1 |
| ≥ 400 | 57.5 | 78.3 | 82.7 | 85.2 | 88.9 | 89.8 | 93.2 | 94.0 | 94.1 | 95.7 | 97.1 | 97.2 | 98.1 | 98.2 | 98.5 | 98.5 |
| ≥ 300 | 57.5 | 78.3 | 82.8 | 85.3 | 89.1 | 90.0 | 93.7 | 94.4 | 94.5 | 96.3 | 97.7 | 97.8 | 98.7 | 99.1 | 99.6 | 99.6 |
| ≥ 200 | 57.5 | 78.3 | 82.8 | 85.3 | 89.1 | 90.0 | 93.7 | 94.4 | 94.5 | 96.3 | 97.7 | 97.8 | 98.8 | 99.2 | 99.8 | 99.8 |
| ≥ 100 | 57.5 | 78.3 | 82.8 | 85.3 | 89.1 | 90.0 | 93.7 | 94.4 | 94.5 | 96.3 | 97.7 | 97.8 | 98.8 | 99.4 | 100.0 | 100.0 |
| ≥ 0 | 57.5 | 78.3 | 82.8 | 85.3 | 89.1 | 90.0 | 93.7 | 94.4 | 94.5 | 96.3 | 97.7 | 97.8 | 98.8 | 99.4 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 931

FEDERAL CLIMATOLOGY BRANCH
SAFETAC
AIR FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227
STATION

HAIFERTOWN NY

STATION NAME

74-83

YEARS

4AD
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

51.0-2300
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1.2 | ≥1 | ≥.8 | ≥.6 | ≥.5 | ≥.4 | ≥.3 | ≥.2 |
| NO CEILING | 35.3 | 39.5 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 40.0 | 40.0 | 40.0 |
| ≥ 20000 | 40.0 | 44.5 | 44.9 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.2 | 45.2 | 45.2 |
| ≥ 18000 | 40.0 | 44.5 | 44.9 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.2 | 45.2 | 45.2 |
| ≥ 16000 | 40.0 | 44.5 | 44.9 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.2 | 45.2 | 45.2 |
| ≥ 14000 | 41.1 | 45.5 | 46.3 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.6 | 46.6 | 46.6 |
| ≥ 12000 | 41.1 | 47.1 | 47.5 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.7 | 47.7 | 47.7 |
| ≥ 10000 | 44.9 | 50.5 | 51.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.2 | 51.2 | 51.2 |
| ≥ 9000 | 44.9 | 50.5 | 51.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.2 | 51.2 | 51.2 |
| ≥ 8000 | 46.5 | 52.8 | 53.2 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.4 | 53.4 | 53.4 |
| ≥ 7000 | 47.4 | 53.8 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.4 | 54.4 | 54.4 |
| ≥ 6000 | 47.4 | 55.2 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.8 | 55.8 | 55.8 |
| ≥ 5000 | 51.5 | 60.5 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.3 | 61.3 | 61.3 |
| ≥ 4500 | 52.5 | 62.9 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.9 | 63.9 | 63.9 |
| ≥ 4000 | 54.5 | 66.7 | 67.8 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| ≥ 3500 | 56.0 | 69.6 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3 | 71.3 |
| ≥ 3000 | 57.3 | 73.7 | 75.9 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.5 | 76.5 | 76.5 |
| ≥ 2500 | 59.4 | 77.0 | 79.5 | 80.2 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.8 | 80.8 | 80.8 |
| ≥ 2000 | 59.7 | 79.0 | 82.0 | 82.8 | 83.4 | 83.4 | 83.5 | 83.5 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.8 | 83.8 | 83.8 |
| ≥ 1800 | 59.3 | 79.6 | 82.7 | 83.4 | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 |
| ≥ 1500 | 59.7 | 80.8 | 84.0 | 84.9 | 86.1 | 86.1 | 86.6 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 |
| ≥ 1200 | 59.1 | 81.4 | 84.7 | 85.9 | 87.3 | 87.4 | 87.8 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 |
| ≥ 1000 | 59.2 | 82.2 | 86.0 | 87.4 | 89.2 | 89.4 | 90.0 | 90.4 | 90.4 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 |
| ≥ 900 | 59.4 | 82.8 | 86.7 | 88.2 | 90.1 | 90.2 | 90.9 | 91.3 | 91.3 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 |
| ≥ 800 | 59.4 | 82.8 | 86.8 | 88.7 | 91.2 | 91.3 | 92.3 | 93.0 | 93.0 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 |
| ≥ 700 | 59.4 | 83.0 | 87.1 | 89.2 | 92.0 | 92.2 | 93.3 | 94.1 | 94.2 | 94.9 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 |
| ≥ 600 | 59.4 | 83.0 | 87.4 | 89.8 | 92.7 | 93.0 | 94.3 | 95.1 | 95.2 | 95.9 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 |
| ≥ 500 | 59.4 | 83.2 | 87.6 | 90.1 | 93.3 | 93.7 | 95.3 | 96.0 | 96.1 | 97.0 | 97.2 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 |
| ≥ 400 | 59.4 | 83.3 | 87.8 | 90.4 | 93.7 | 94.1 | 95.8 | 96.6 | 96.7 | 97.6 | 98.1 | 98.1 | 98.1 | 98.5 | 98.5 | 98.5 |
| ≥ 300 | 59.4 | 83.3 | 87.8 | 90.4 | 93.9 | 94.5 | 96.2 | 97.0 | 97.1 | 98.3 | 98.8 | 98.8 | 98.8 | 99.5 | 99.5 | 99.5 |
| ≥ 200 | 59.4 | 83.3 | 87.8 | 90.4 | 93.9 | 94.5 | 96.2 | 97.0 | 97.1 | 98.3 | 98.8 | 98.8 | 98.8 | 99.5 | 99.5 | 99.5 |
| ≥ 100 | 59.4 | 83.3 | 87.8 | 90.4 | 93.9 | 94.5 | 96.2 | 97.0 | 97.1 | 98.3 | 98.8 | 98.8 | 98.8 | 99.7 | 99.7 | 99.7 |
| ≥ 50 | 59.4 | 83.3 | 87.8 | 90.4 | 93.9 | 94.5 | 96.2 | 97.0 | 97.1 | 98.3 | 98.8 | 98.8 | 98.8 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 930

U.S. AIR FORCE
 AIRCRAFT
 AIR WEATHER SERVICE/MAL

CEILING VERSUS VISIBILITY

74-83
 STATION

WARTON, NY

STATION NAME

74-83

YEARS

MAF

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.01 |
| NO CEILING | 33.1 | 37.6 | 39.2 | 38.4 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.7 |
| ≥ 20000 | 34.7 | 41.4 | 42.1 | 42.3 | 42.4 | 42.4 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.6 |
| ≥ 18000 | 34.7 | 41.4 | 42.1 | 42.3 | 42.4 | 42.4 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.6 |
| ≥ 16000 | 36.3 | 41.4 | 42.1 | 42.3 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.6 |
| ≥ 14000 | 37.3 | 42.1 | 42.8 | 43.1 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.3 | 43.3 |
| ≥ 12000 | 38.4 | 43.3 | 44.1 | 44.3 | 44.4 | 44.4 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.6 |
| ≥ 10000 | 41.1 | 46.6 | 47.4 | 47.6 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.9 | 47.9 |
| ≥ 9000 | 41.3 | 46.8 | 47.7 | 47.9 | 48.0 | 48.0 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.2 |
| ≥ 8000 | 42.7 | 49.2 | 50.2 | 50.4 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| ≥ 7000 | 43.1 | 49.9 | 50.9 | 51.2 | 51.4 | 51.4 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.6 |
| ≥ 6000 | 44.0 | 51.6 | 52.8 | 53.1 | 53.3 | 53.3 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.5 |
| ≥ 5000 | 46.2 | 55.2 | 56.5 | 56.8 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.3 |
| ≥ 4500 | 47.1 | 57.0 | 58.3 | 58.7 | 58.9 | 58.9 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.1 | 59.1 | 59.1 |
| ≥ 4000 | 49.3 | 60.7 | 62.3 | 62.8 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.4 | 63.4 |
| ≥ 3500 | 50.8 | 63.6 | 65.3 | 65.8 | 66.3 | 66.3 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.5 | 66.5 | 66.5 |
| ≥ 3000 | 53.0 | 67.9 | 70.1 | 70.9 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.9 |
| ≥ 2500 | 54.9 | 71.3 | 74.0 | 75.2 | 76.0 | 76.1 | 76.2 | 76.3 | 76.3 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| ≥ 2000 | 55.9 | 74.7 | 78.1 | 79.7 | 80.8 | 81.0 | 81.3 | 81.4 | 81.4 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 |
| ≥ 1800 | 56.1 | 75.3 | 78.9 | 80.6 | 81.7 | 81.9 | 82.3 | 82.4 | 82.4 | 82.5 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| ≥ 1500 | 56.9 | 76.7 | 80.7 | 82.7 | 84.2 | 84.5 | 85.1 | 85.3 | 85.3 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.7 |
| ≥ 1200 | 56.7 | 77.6 | 82.0 | 84.1 | 85.9 | 86.3 | 87.1 | 87.4 | 87.4 | 87.6 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 1000 | 56.9 | 78.4 | 83.1 | 85.6 | 87.8 | 88.2 | 89.3 | 89.7 | 89.8 | 90.2 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 900 | 56.9 | 78.6 | 83.4 | 86.0 | 88.2 | 88.7 | 89.9 | 90.4 | 90.5 | 90.9 | 91.1 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 800 | 57.7 | 78.8 | 83.9 | 86.5 | 88.9 | 89.4 | 90.8 | 91.6 | 91.7 | 92.2 | 92.5 | 92.5 | 92.7 | 92.7 | 92.7 | 92.8 |
| ≥ 700 | 57.0 | 79.0 | 84.0 | 86.9 | 89.7 | 90.2 | 91.7 | 92.5 | 92.7 | 93.3 | 93.8 | 93.8 | 94.0 | 94.0 | 94.1 | 94.1 |
| ≥ 600 | 57.0 | 79.1 | 84.3 | 87.4 | 90.2 | 90.8 | 92.5 | 93.4 | 93.6 | 94.4 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.3 |
| ≥ 500 | 57.0 | 79.3 | 84.7 | 87.9 | 91.0 | 91.7 | 93.7 | 94.7 | 95.0 | 96.0 | 96.6 | 96.7 | 97.2 | 97.2 | 97.4 | 97.4 |
| ≥ 400 | 57.0 | 79.4 | 84.9 | 88.1 | 91.4 | 92.0 | 94.1 | 95.3 | 95.5 | 96.7 | 97.4 | 97.5 | 98.2 | 98.2 | 98.3 | 98.4 |
| ≥ 300 | 57.0 | 79.4 | 84.9 | 88.2 | 91.5 | 92.2 | 94.4 | 95.6 | 95.8 | 97.1 | 97.9 | 98.0 | 98.8 | 99.0 | 99.1 | 99.2 |
| ≥ 200 | 57.0 | 79.4 | 84.9 | 88.2 | 91.5 | 92.2 | 94.4 | 95.7 | 95.9 | 97.2 | 98.0 | 98.1 | 99.0 | 99.2 | 99.4 | 99.5 |
| ≥ 100 | 57.0 | 79.4 | 84.9 | 88.2 | 91.5 | 92.2 | 94.4 | 95.7 | 95.9 | 97.2 | 98.0 | 98.1 | 99.0 | 99.2 | 99.4 | 99.7 |
| ≥ 0 | 57.0 | 79.4 | 84.9 | 88.2 | 91.5 | 92.2 | 94.4 | 95.7 | 95.9 | 97.2 | 98.0 | 98.1 | 99.0 | 99.2 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7435

NATIONAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
227

WATERTOWN, NY

STATION NAME

74-83

YEARS

APP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2010-2210

| | | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|------|---------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
| CEILING FEET | | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| 10000 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 8000 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 6000 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 4000 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 2000 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 1000 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 800 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 600 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 400 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 200 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 100 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 80 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 60 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 40 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 20 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 10 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 5 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 2 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 1 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| 0 | ETAC | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |

TOTAL NUMBER OF OBSERVATIONS 925

CLIMATE CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 12027 LATERTOWN NY STATION NAME

74-33

YEARS

APP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-0500
4500-1500

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| 25000 | 41.7 | 43.3 | 45.6 | 45.8 | 45.7 | 46.0 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.4 |
| 20000 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 18000 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 16000 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 14000 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 12000 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 10000 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 8000 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 6000 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 5000 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 4500 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 4000 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 3500 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 3000 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 2500 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 2000 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 1800 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 1600 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 1400 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 1200 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 1000 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 900 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 800 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 700 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 600 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 500 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 400 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 300 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 200 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 100 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |
| 0 | 44.4 | 46.2 | 48.5 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.3 |

TOTAL NUMBER OF OBSERVATIONS 577

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

227 WATER TOWN, NY STATION NAME 74-83 YEARS 1960-1962 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0620
HOURS

| VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | | |
|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 10 | 20 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |
| 1000 | 34.5 | 41.9 | 43.0 | 43.1 | 43.3 | 43.3 | 43.3 | 43.4 | 43.4 | 43.5 | 43.6 | 43.6 | 43.7 | 43.7 | 43.7 | 43.8 |
| 900 | 35.1 | 42.6 | 43.7 | 43.8 | 43.9 | 43.9 | 43.9 | 44.0 | 44.0 | 44.1 | 44.2 | 44.2 | 44.3 | 44.3 | 44.4 | 44.5 |
| 800 | 35.7 | 43.2 | 44.3 | 44.4 | 44.5 | 44.5 | 44.5 | 44.6 | 44.6 | 44.7 | 44.8 | 44.8 | 44.9 | 44.9 | 45.0 | 45.1 |
| 700 | 36.3 | 43.8 | 44.9 | 45.0 | 45.1 | 45.1 | 45.1 | 45.2 | 45.2 | 45.3 | 45.4 | 45.4 | 45.5 | 45.5 | 45.6 | 45.7 |
| 600 | 36.9 | 44.4 | 45.5 | 45.6 | 45.7 | 45.7 | 45.7 | 45.8 | 45.8 | 45.9 | 46.0 | 46.0 | 46.1 | 46.1 | 46.2 | 46.3 |
| 500 | 37.5 | 45.0 | 46.1 | 46.2 | 46.3 | 46.3 | 46.3 | 46.4 | 46.4 | 46.5 | 46.6 | 46.6 | 46.7 | 46.7 | 46.8 | 46.9 |
| 400 | 38.1 | 45.6 | 46.7 | 46.8 | 46.9 | 46.9 | 46.9 | 47.0 | 47.0 | 47.1 | 47.2 | 47.2 | 47.3 | 47.3 | 47.4 | 47.5 |
| 300 | 38.7 | 46.2 | 47.3 | 47.4 | 47.5 | 47.5 | 47.5 | 47.6 | 47.6 | 47.7 | 47.8 | 47.8 | 47.9 | 47.9 | 48.0 | 48.1 |
| 200 | 39.3 | 46.8 | 47.9 | 48.0 | 48.1 | 48.1 | 48.1 | 48.2 | 48.2 | 48.3 | 48.4 | 48.4 | 48.5 | 48.5 | 48.6 | 48.7 |
| 100 | 39.9 | 47.4 | 48.5 | 48.6 | 48.7 | 48.7 | 48.7 | 48.8 | 48.8 | 48.9 | 49.0 | 49.0 | 49.1 | 49.1 | 49.2 | 49.3 |
| 9000 | 40.5 | 48.0 | 49.1 | 49.2 | 49.3 | 49.3 | 49.3 | 49.4 | 49.4 | 49.5 | 49.6 | 49.6 | 49.7 | 49.7 | 49.8 | 49.9 |
| 8000 | 41.1 | 48.6 | 49.7 | 49.8 | 49.9 | 49.9 | 49.9 | 50.0 | 50.0 | 50.1 | 50.2 | 50.2 | 50.3 | 50.3 | 50.4 | 50.5 |
| 7000 | 41.7 | 49.2 | 50.3 | 50.4 | 50.5 | 50.5 | 50.5 | 50.6 | 50.6 | 50.7 | 50.8 | 50.8 | 50.9 | 50.9 | 51.0 | 51.1 |
| 6000 | 42.3 | 49.8 | 50.9 | 51.0 | 51.1 | 51.1 | 51.1 | 51.2 | 51.2 | 51.3 | 51.4 | 51.4 | 51.5 | 51.5 | 51.6 | 51.7 |
| 5000 | 42.9 | 50.4 | 51.5 | 51.6 | 51.7 | 51.7 | 51.7 | 51.8 | 51.8 | 51.9 | 52.0 | 52.0 | 52.1 | 52.1 | 52.2 | 52.3 |
| 4500 | 43.5 | 51.0 | 52.1 | 52.2 | 52.3 | 52.3 | 52.3 | 52.4 | 52.4 | 52.5 | 52.6 | 52.6 | 52.7 | 52.7 | 52.8 | 52.9 |
| 4000 | 44.1 | 51.6 | 52.7 | 52.8 | 52.9 | 52.9 | 52.9 | 53.0 | 53.0 | 53.1 | 53.2 | 53.2 | 53.3 | 53.3 | 53.4 | 53.5 |
| 3500 | 44.7 | 52.2 | 53.3 | 53.4 | 53.5 | 53.5 | 53.5 | 53.6 | 53.6 | 53.7 | 53.8 | 53.8 | 53.9 | 53.9 | 54.0 | 54.1 |
| 3000 | 45.3 | 52.8 | 53.9 | 54.0 | 54.1 | 54.1 | 54.1 | 54.2 | 54.2 | 54.3 | 54.4 | 54.4 | 54.5 | 54.5 | 54.6 | 54.7 |
| 2500 | 45.9 | 53.4 | 54.5 | 54.6 | 54.7 | 54.7 | 54.7 | 54.8 | 54.8 | 54.9 | 55.0 | 55.0 | 55.1 | 55.1 | 55.2 | 55.3 |
| 2000 | 46.5 | 54.0 | 55.1 | 55.2 | 55.3 | 55.3 | 55.3 | 55.4 | 55.4 | 55.5 | 55.6 | 55.6 | 55.7 | 55.7 | 55.8 | 55.9 |
| 1500 | 47.1 | 54.6 | 55.7 | 55.8 | 55.9 | 55.9 | 55.9 | 56.0 | 56.0 | 56.1 | 56.2 | 56.2 | 56.3 | 56.3 | 56.4 | 56.5 |
| 1000 | 47.7 | 55.2 | 56.3 | 56.4 | 56.5 | 56.5 | 56.5 | 56.6 | 56.6 | 56.7 | 56.8 | 56.8 | 56.9 | 56.9 | 57.0 | 57.1 |
| 900 | 48.3 | 55.8 | 56.9 | 57.0 | 57.1 | 57.1 | 57.1 | 57.2 | 57.2 | 57.3 | 57.4 | 57.4 | 57.5 | 57.5 | 57.6 | 57.7 |
| 800 | 48.9 | 56.4 | 57.5 | 57.6 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 | 57.9 | 58.0 | 58.0 | 58.1 | 58.1 | 58.2 | 58.3 |
| 700 | 49.5 | 57.0 | 58.1 | 58.2 | 58.3 | 58.3 | 58.3 | 58.4 | 58.4 | 58.5 | 58.6 | 58.6 | 58.7 | 58.7 | 58.8 | 58.9 |
| 600 | 50.1 | 57.6 | 58.7 | 58.8 | 58.9 | 58.9 | 58.9 | 59.0 | 59.0 | 59.1 | 59.2 | 59.2 | 59.3 | 59.3 | 59.4 | 59.5 |
| 500 | 50.7 | 58.2 | 59.3 | 59.4 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.7 | 59.8 | 59.8 | 59.9 | 59.9 | 60.0 | 60.1 |
| 400 | 51.3 | 58.8 | 59.9 | 60.0 | 60.1 | 60.1 | 60.1 | 60.2 | 60.2 | 60.3 | 60.4 | 60.4 | 60.5 | 60.5 | 60.6 | 60.7 |
| 300 | 51.9 | 59.4 | 60.5 | 60.6 | 60.7 | 60.7 | 60.7 | 60.8 | 60.8 | 60.9 | 61.0 | 61.0 | 61.1 | 61.1 | 61.2 | 61.3 |
| 200 | 52.5 | 60.0 | 61.1 | 61.2 | 61.3 | 61.3 | 61.3 | 61.4 | 61.4 | 61.5 | 61.6 | 61.6 | 61.7 | 61.7 | 61.8 | 61.9 |
| 100 | 53.1 | 60.6 | 61.7 | 61.8 | 61.9 | 61.9 | 61.9 | 62.0 | 62.0 | 62.1 | 62.2 | 62.2 | 62.3 | 62.3 | 62.4 | 62.5 |
| 9000 | 53.7 | 61.2 | 62.3 | 62.4 | 62.5 | 62.5 | 62.5 | 62.6 | 62.6 | 62.7 | 62.8 | 62.8 | 62.9 | 62.9 | 63.0 | 63.1 |
| 8000 | 54.3 | 61.8 | 62.9 | 63.0 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 | 63.3 | 63.4 | 63.4 | 63.5 | 63.5 | 63.6 | 63.7 |
| 7000 | 54.9 | 62.4 | 63.5 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.9 | 64.0 | 64.0 | 64.1 | 64.1 | 64.2 | 64.3 |
| 6000 | 55.5 | 63.0 | 64.1 | 64.2 | 64.3 | 64.3 | 64.3 | 64.4 | 64.4 | 64.5 | 64.6 | 64.6 | 64.7 | 64.7 | 64.8 | 64.9 |
| 5000 | 56.1 | 63.6 | 64.7 | 64.8 | 64.9 | 64.9 | 64.9 | 65.0 | 65.0 | 65.1 | 65.2 | 65.2 | 65.3 | 65.3 | 65.4 | 65.5 |
| 4500 | 56.7 | 64.2 | 65.3 | 65.4 | 65.5 | 65.5 | 65.5 | 65.6 | 65.6 | 65.7 | 65.8 | 65.8 | 65.9 | 65.9 | 66.0 | 66.1 |
| 4000 | 57.3 | 64.8 | 65.9 | 66.0 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2 | 66.3 | 66.4 | 66.4 | 66.5 | 66.5 | 66.6 | 66.7 |
| 3500 | 57.9 | 65.4 | 66.5 | 66.6 | 66.7 | 66.7 | 66.7 | 66.8 | 66.8 | 66.9 | 67.0 | 67.0 | 67.1 | 67.1 | 67.2 | 67.3 |
| 3000 | 58.5 | 66.0 | 67.1 | 67.2 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 | 67.5 | 67.6 | 67.6 | 67.7 | 67.7 | 67.8 | 67.9 |
| 2500 | 59.1 | 66.6 | 67.7 | 67.8 | 67.9 | 67.9 | 67.9 | 68.0 | 68.0 | 68.1 | 68.2 | 68.2 | 68.3 | 68.3 | 68.4 | 68.5 |
| 2000 | 59.7 | 67.2 | 68.3 | 68.4 | 68.5 | 68.5 | 68.5 | 68.6 | 68.6 | 68.7 | 68.8 | 68.8 | 68.9 | 68.9 | 69.0 | 69.1 |
| 1500 | 60.3 | 67.8 | 68.9 | 69.0 | 69.1 | 69.1 | 69.1 | 69.2 | 69.2 | 69.3 | 69.4 | 69.4 | 69.5 | 69.5 | 69.6 | 69.7 |
| 1000 | 60.9 | 68.4 | 69.5 | 69.6 | 69.7 | 69.7 | 69.7 | 69.8 | 69.8 | 69.9 | 70.0 | 70.0 | 70.1 | 70.1 | 70.2 | 70.3 |
| 900 | 61.5 | 69.0 | 70.1 | 70.2 | 70.3 | 70.3 | 70.3 | 70.4 | 70.4 | 70.5 | 70.6 | 70.6 | 70.7 | 70.7 | 70.8 | 70.9 |
| 800 | 62.1 | 69.6 | 70.7 | 70.8 | 70.9 | 70.9 | 70.9 | 71.0 | 71.0 | 71.1 | 71.2 | 71.2 | 71.3 | 71.3 | 71.4 | 71.5 |
| 700 | 62.7 | 70.2 | 71.3 | 71.4 | 71.5 | 71.5 | 71.5 | 71.6 | 71.6 | 71.7 | 71.8 | 71.8 | 71.9 | 71.9 | 72.0 | 72.1 |
| 600 | 63.3 | 70.8 | 71.9 | 72.0 | 72.1 | 72.1 | 72.1 | 72.2 | 72.2 | 72.3 | 72.4 | 72.4 | 72.5 | 72.5 | 72.6 | 72.7 |
| 500 | 63.9 | 71.4 | 72.5 | 72.6 | 72.7 | 72.7 | 72.7 | 72.8 | 72.8 | 72.9 | 73.0 | 73.0 | 73.1 | 73.1 | 73.2 | 73.3 |
| 400 | 64.5 | 72.0 | 73.1 | 73.2 | 73.3 | 73.3 | 73.3 | 73.4 | 73.4 | 73.5 | 73.6 | 73.6 | 73.7 | 73.7 | 73.8 | 73.9 |
| 300 | 65.1 | 72.6 | 73.7 | 73.8 | 73.9 | 73.9 | 73.9 | 74.0 | 74.0 | 74.1 | 74.2 | 74.2 | 74.3 | 74.3 | 74.4 | 74.5 |
| 200 | 65.7 | 73.2 | 74.3 | 74.4 | 74.5 | 74.5 | 74.5 | 74.6 | 74.6 | 74.7 | 74.8 | 74.8 | 74.9 | 74.9 | 75.0 | 75.1 |
| 100 | 66.3 | 73.8 | 74.9 | 75.0 | 75.1 | 75.1 | 75.1 | 75.2 | 75.2 | 75.3 | 75.4 | 75.4 | 75.5 | 75.5 | 75.6 | 75.7 |
| 9000 | 66.9 | 74.4 | 75.5 | 75.6 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 | 75.9 | 76.0 | 76.0 | 76.1 | 76.1 | 76.2 | 76.3 |
| 8000 | 67.5 | 75.0 | 76.1 | 76.2 | 76.3 | 76.3 | 76.3 | 76.4 | 76.4 | 76.5 | 76.6 | 76.6 | 76.7 | 76.7 | 76.8 | 76.9 |
| 7000 | 68.1 | 75.6 | 76.7 | 76.8 | 76.9 | 76.9 | 76.9 | 77.0 | 77.0 | 77.1 | 77.2 | 77.2 | 77.3 | 77.3 | 77.4 | 77.5 |
| 6000 | 68.7 | 76.2 | 77.3 | 77.4 | 77.5 | 77.5 | 77.5 | 77.6 | 77.6 | 77.7 | 77.8 | 77.8 | 77.9 | 77.9 | 78.0 | 78.1 |
| 5000 | 69.3 | 76.8 | 77.9 | 78.0 | 78.1 | 78.1 | 78.1 | 78.2 | 78.2 | 78.3 | 78.4 | 78.4 | 78.5 | 78.5 | 78.6 | 78.7 |
| 4500 | 69.9 | 77.4 | 78.5 | 78.6 | 78.7 | 78.7 | 78.7 | 78.8 | 78.8 | 78.9 | 79.0 | 79.0 | 79.1 | 79.1 | 79.2 | 79.3 |
| 4000 | 70.5 | 78.0 | 79.1 | 79.2 | 79.3 | 79.3 | 79.3 | 79.4 | 79.4 | 79.5 | 79.6 | 79.6 | 79.7 | 79.7 | 79.8 | 79.9 |
| 3500 | 71.1 | 78.6 | 79.7 | 79.8 | 79.9 | 79.9 | 79.9 | 80.0 | 80.0 | 80.1 | 80.2 | 80.2 | 80.3 | 80.3 | 80.4 | 80.5 |
| 3000 | 71.7 | 79.2 | 80.3 | 80.4 | 80.5 | 80.5 | 80.5 | 80.6 | 80.6 | 80.7 | 80.8 | 80.8 | 80.9 | 80.9 | 81.0 | 81.1 |
| 2500 | 72.3 | 79.8 | 80.9 | 81.0 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 | 81.3 | 81.4 | 81.4 | 81.5 | 81.5 | 81.6 | 81.7 |
| 2000 | 72.9 | 80.4 | 81.5 | 81.6 | 81.7 | 81.7 | 81.7 | 81.8 | 81.8 | 81.9 | 82.0 | 82.0 | 82.1 | 82.1 | 82.2 | 82.3 |
| 1500 | 73.5 | 81.0 | 82.1 | 82.2 | 82.3 | 82.3 | 82.3 | 82.4 | 82.4 | 82.5 | 82.6 | 82.6 | 82.7 | 82.7 | 82.8 | 82.9 |
| 1000 | 74.1 | 81.6 | 82.7 | 82.8 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.1 | 83.2 | 83.2 | 83.3 | 83.3 | 83.4 | 83.5 |
| 900 | 74.7 | 82.2 | 83.3 | 83.4 | 83.5 | 83.5 | 83.5 | 83.6 | 83.6 | 83.7 | 83.8 | 83.8 | 83.9 | 83.9 | 84.0 | 84.1 |
| 800 | 75.3 | 82.8 | 83.9 | 84.0 | 84.1 | 84.1 | 84.1 | 84.2 | 84.2 | 84.3 | 84.4 | 84.4 | 84.5 | 84.5 | 84.6 | 84.7 |
| 700 | 75.9 | 83.4 | 84.5 | 84.6 | 84.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.9 | 85.0 | 85.0 | 85.1 | 85.1 | 85.2 | 85.3 |
| 600 | 76.5 | 84.0 | 85.1 | 85.2 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.5 | 85.6 | 85.6 | 85.7 | 85.7 | 85.8 | 85.9 |
| 500 | 77.1 | 84.6 | 85.7 | 85.8 | 85.9 | 85.9 | 85.9 | 86.0 | 86.0 | 86.1 | 86.2 | 86.2 | 86.3 | 86.3 | 86.4 | 86.5 |
| 400 | 77.7 | 85.2 | 86.3 | 86.4 | 86.5 | 86.5 | 86.5 | | | | | | | | | |

GENERAL CLIMATOLOGY REPORT
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 227 AIRPORT NY STATION NAME 74-83 YEAR 1972 MONTH 12
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 900-1100

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|--------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ 0.05 | ≥ 0 | ≥ 0 |
| NO CEILING | 27.4 | 42.4 | 43.4 | 43.4 | 43.4 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| ≥ 20000 | 41.4 | 46.4 | 47.1 | 47.1 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 |
| ≥ 18000 | 40.7 | 46.7 | 47.3 | 47.3 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 16000 | 40.7 | 46.7 | 47.3 | 47.3 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 14000 | 41.7 | 47.2 | 48.7 | 48.7 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| ≥ 12000 | 41.7 | 48.1 | 48.9 | 48.9 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| ≥ 10000 | 43.2 | 49.9 | 50.9 | 50.9 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| ≥ 9000 | 43.4 | 50.3 | 51.3 | 51.3 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| ≥ 8000 | 45.3 | 52.4 | 53.6 | 53.6 | 53.7 | 53.7 | 53.7 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| ≥ 7000 | 45.3 | 53.8 | 55.1 | 55.1 | 55.2 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| ≥ 6000 | 46.9 | 55.8 | 57.2 | 57.2 | 57.3 | 57.3 | 57.3 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| ≥ 5000 | 48.9 | 58.9 | 60.6 | 60.6 | 60.7 | 60.7 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| ≥ 4500 | 49.3 | 60.0 | 61.9 | 62.1 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| ≥ 4000 | 49.9 | 61.9 | 64.2 | 64.6 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| ≥ 3500 | 51.7 | 65.2 | 67.7 | 68.2 | 68.6 | 68.6 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| ≥ 3000 | 53.6 | 68.1 | 71.1 | 71.8 | 72.3 | 72.3 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| ≥ 2500 | 55.4 | 73.2 | 76.2 | 77.0 | 78.0 | 78.0 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| ≥ 2000 | 55.3 | 76.2 | 79.4 | 80.6 | 81.9 | 81.9 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| ≥ 1800 | 55.8 | 76.9 | 80.2 | 81.3 | 82.7 | 82.7 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| ≥ 1500 | 59.9 | 79.0 | 82.9 | 84.4 | 85.9 | 85.9 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥ 1000 | 60.2 | 80.3 | 84.6 | 86.6 | 88.0 | 88.0 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| ≥ 900 | 60.3 | 81.1 | 85.7 | 88.2 | 90.0 | 90.0 | 90.7 | 90.8 | 90.8 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 800 | 60.3 | 81.1 | 85.7 | 88.2 | 90.1 | 90.1 | 90.8 | 90.9 | 90.9 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 700 | 60.9 | 81.8 | 86.4 | 89.3 | 91.4 | 91.6 | 92.4 | 92.7 | 92.7 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥ 600 | 60.8 | 82.4 | 87.3 | 90.3 | 92.8 | 92.9 | 93.8 | 94.1 | 94.1 | 94.7 | 94.9 | 94.9 | 95.0 | 95.0 | 95.1 | 95.1 |
| ≥ 500 | 60.8 | 82.4 | 87.8 | 90.9 | 93.6 | 93.8 | 94.8 | 95.1 | 95.1 | 95.7 | 96.1 | 96.2 | 96.3 | 96.3 | 96.4 | 96.4 |
| ≥ 400 | 60.8 | 82.8 | 88.1 | 91.6 | 94.2 | 94.6 | 95.9 | 96.3 | 96.3 | 97.2 | 97.8 | 97.9 | 98.0 | 98.1 | 98.3 | 98.3 |
| ≥ 300 | 60.8 | 82.8 | 88.2 | 92.0 | 94.8 | 95.3 | 96.7 | 97.2 | 97.2 | 98.1 | 98.7 | 98.8 | 98.9 | 99.0 | 99.2 | 99.2 |
| ≥ 200 | 60.8 | 82.8 | 88.2 | 92.0 | 94.8 | 95.3 | 96.7 | 97.2 | 97.2 | 98.1 | 98.7 | 98.8 | 98.9 | 99.0 | 99.2 | 99.2 |
| ≥ 100 | 60.8 | 82.8 | 88.3 | 92.1 | 94.9 | 95.4 | 96.8 | 97.4 | 97.4 | 98.4 | 99.0 | 99.1 | 99.3 | 99.4 | 99.8 | 99.9 |
| ≥ 0 | 60.8 | 82.8 | 88.3 | 92.1 | 94.9 | 95.4 | 96.8 | 97.4 | 97.4 | 98.4 | 99.0 | 99.1 | 99.3 | 99.4 | 99.8 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100227 WATERTOWN NY
STATION STATION NAME

74-83
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 54.2 | 42.5 | 42.6 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥20000 | 47.7 | 47.4 | 47.7 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| ≥18000 | 47.7 | 47.4 | 47.7 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| ≥16000 | 47.7 | 47.4 | 47.7 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| ≥14000 | 41.7 | 47.8 | 48.7 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| ≥12000 | 41.4 | 48.6 | 48.9 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥10000 | 42.4 | 49.7 | 50.1 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| ≥9000 | 42.7 | 49.9 | 50.3 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| ≥8000 | 45.7 | 53.3 | 53.8 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| ≥7000 | 45.7 | 54.9 | 55.4 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| ≥6000 | 45.6 | 57.9 | 58.6 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| ≥5000 | 45.2 | 59.8 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| ≥4500 | 45.8 | 61.2 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| ≥4000 | 51.7 | 64.2 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| ≥3500 | 52.1 | 65.9 | 66.9 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| ≥3000 | 55.4 | 69.9 | 71.7 | 72.3 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| ≥2500 | 59.8 | 75.6 | 77.7 | 78.6 | 78.8 | 78.8 | 78.9 | 78.9 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| ≥2000 | 59.9 | 77.8 | 80.3 | 81.7 | 82.0 | 82.0 | 82.2 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥1800 | 60.0 | 78.4 | 81.1 | 82.6 | 82.9 | 82.9 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| ≥1600 | 61.4 | 80.4 | 83.6 | 85.3 | 86.0 | 86.0 | 86.4 | 86.4 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥1400 | 61.3 | 81.4 | 84.9 | 87.2 | 88.7 | 88.7 | 88.9 | 88.9 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥1200 | 62.7 | 83.1 | 87.7 | 89.9 | 90.9 | 91.2 | 91.7 | 92.0 | 92.1 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥1000 | 62.0 | 83.4 | 87.3 | 90.2 | 91.3 | 91.7 | 92.2 | 92.6 | 92.7 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥900 | 62.3 | 84.1 | 88.2 | 91.6 | 92.8 | 93.1 | 94.1 | 94.4 | 94.6 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥800 | 62.3 | 84.1 | 88.3 | 91.9 | 93.4 | 93.8 | 94.8 | 95.1 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥700 | 62.3 | 84.2 | 88.9 | 92.9 | 94.4 | 94.8 | 95.9 | 96.2 | 96.3 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥600 | 62.3 | 84.3 | 89.0 | 93.1 | 95.0 | 95.6 | 96.8 | 97.3 | 97.4 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.6 | 98.6 |
| ≥500 | 62.3 | 84.3 | 89.0 | 93.2 | 95.2 | 95.8 | 97.0 | 97.6 | 97.7 | 98.6 | 98.6 | 98.6 | 98.9 | 99.0 | 99.1 | 99.1 |
| ≥400 | 62.3 | 84.3 | 89.0 | 93.2 | 95.2 | 95.9 | 97.2 | 97.9 | 98.0 | 99.0 | 99.1 | 99.1 | 99.6 | 99.7 | 99.8 | 99.8 |
| ≥300 | 62.3 | 84.3 | 89.0 | 93.2 | 95.2 | 95.9 | 97.2 | 97.9 | 98.0 | 99.0 | 99.1 | 99.1 | 99.6 | 99.7 | 99.8 | 99.8 |
| ≥200 | 62.3 | 84.3 | 89.0 | 93.2 | 95.2 | 95.9 | 97.2 | 97.9 | 98.0 | 99.0 | 99.1 | 99.1 | 99.6 | 99.7 | 99.8 | 99.8 |
| ≥100 | 62.3 | 84.3 | 89.0 | 93.2 | 95.2 | 95.9 | 97.2 | 97.9 | 98.0 | 99.0 | 99.1 | 99.1 | 99.6 | 99.7 | 99.8 | 99.8 |
| ≥50 | 62.3 | 84.3 | 89.0 | 93.2 | 95.2 | 95.9 | 97.2 | 97.9 | 98.0 | 99.0 | 99.1 | 99.1 | 99.6 | 99.7 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE MAC

CEILING VERSUS VISIBILITY

STATION
227

STATION NAME
WATERTOWN NY

74-83

YEARS

APP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 35.3 | 40.2 | 41.0 | 41.0 | 41.0 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| ≥ 20000 | 42.3 | 42.6 | 42.3 | 42.3 | 42.3 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 |
| ≥ 18000 | 42.6 | 42.8 | 42.6 | 42.6 | 42.6 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 16000 | 42.6 | 42.8 | 42.6 | 42.6 | 42.6 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 14000 | 43.3 | 45.7 | 50.4 | 50.4 | 50.4 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| ≥ 12000 | 44.3 | 51.1 | 51.9 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 10000 | 47.0 | 54.2 | 55.0 | 55.0 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| ≥ 9000 | 47.0 | 54.2 | 55.0 | 55.0 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| ≥ 8000 | 48.7 | 56.9 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| ≥ 7000 | 49.1 | 57.3 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| ≥ 6000 | 51.6 | 58.8 | 59.7 | 59.7 | 59.7 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| ≥ 5000 | 51.6 | 61.1 | 62.0 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| ≥ 4500 | 53.2 | 63.3 | 64.3 | 64.3 | 64.3 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| ≥ 4000 | 55.7 | 67.0 | 68.2 | 68.2 | 68.2 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| ≥ 3500 | 59.1 | 70.3 | 71.7 | 72.4 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| ≥ 3000 | 61.5 | 75.3 | 76.8 | 77.7 | 76.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| ≥ 2500 | 64.8 | 80.3 | 82.1 | 83.2 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| ≥ 2000 | 65.4 | 81.9 | 84.2 | 85.6 | 86.3 | 86.4 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥ 1800 | 65.7 | 82.1 | 84.9 | 86.2 | 87.0 | 87.1 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| ≥ 1600 | 66.2 | 83.6 | 86.4 | 87.9 | 88.7 | 88.8 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 1400 | 66.3 | 84.6 | 87.8 | 89.3 | 90.1 | 90.2 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| ≥ 1200 | 66.3 | 85.6 | 89.7 | 90.6 | 91.4 | 91.6 | 92.3 | 92.4 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥ 1000 | 66.3 | 85.8 | 89.2 | 91.1 | 92.1 | 92.3 | 93.1 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 900 | 66.3 | 86.0 | 89.7 | 91.7 | 92.9 | 93.1 | 93.9 | 94.0 | 94.0 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 800 | 66.3 | 86.1 | 90.0 | 92.0 | 93.3 | 93.7 | 94.4 | 94.6 | 94.6 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 700 | 66.3 | 86.1 | 90.1 | 92.2 | 93.6 | 93.9 | 94.7 | 94.9 | 94.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 600 | 66.3 | 86.1 | 90.2 | 92.7 | 94.1 | 94.6 | 95.7 | 96.1 | 96.1 | 97.1 | 97.1 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 500 | 66.3 | 86.1 | 90.2 | 92.9 | 94.4 | 95.0 | 96.6 | 97.0 | 97.0 | 98.0 | 98.0 | 98.1 | 98.4 | 98.4 | 98.6 | 98.6 |
| ≥ 400 | 66.3 | 86.1 | 90.2 | 92.9 | 94.4 | 95.1 | 96.7 | 97.3 | 97.3 | 98.6 | 98.9 | 99.0 | 99.7 | 99.7 | 99.9 | 99.9 |
| ≥ 300 | 66.3 | 86.1 | 90.2 | 92.9 | 94.4 | 95.2 | 96.8 | 97.4 | 97.4 | 98.7 | 99.0 | 99.1 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 200 | 66.3 | 86.1 | 90.2 | 92.9 | 94.4 | 95.2 | 96.8 | 97.4 | 97.4 | 98.7 | 99.0 | 99.1 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 100 | 66.3 | 86.1 | 90.2 | 92.9 | 94.4 | 95.2 | 96.8 | 97.4 | 97.4 | 98.7 | 99.0 | 99.1 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 0 | 66.3 | 86.1 | 90.2 | 92.9 | 94.4 | 95.2 | 96.8 | 97.4 | 97.4 | 98.7 | 99.0 | 99.1 | 99.8 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
74-227

WATERTOWN NY

STATION NAME

74-63

YEARS

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.01 | ≥0 |
| ≥12000 | 47.3 | 43.8 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| ≥18000 | 46.7 | 51.0 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| ≥16000 | 46.7 | 51.0 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| ≥14000 | 47.2 | 52.3 | 52.5 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| ≥12000 | 49.7 | 54.8 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| ≥10000 | 52.0 | 56.4 | 59.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| ≥9000 | 52.0 | 56.7 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| ≥8000 | 54.7 | 62.4 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| ≥7000 | 55.0 | 62.8 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| ≥6000 | 55.3 | 63.7 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| ≥5000 | 57.1 | 66.7 | 67.1 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| ≥4500 | 57.3 | 67.8 | 68.3 | 68.4 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| ≥4000 | 61.0 | 73.0 | 74.1 | 74.4 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| ≥3500 | 62.6 | 75.3 | 76.6 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| ≥3000 | 64.1 | 76.7 | 80.2 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| ≥2500 | 55.7 | 81.9 | 83.4 | 83.8 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| ≥2000 | 66.4 | 84.4 | 86.3 | 86.9 | 87.5 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥1800 | 66.6 | 85.0 | 87.0 | 87.6 | 88.3 | 88.4 | 88.4 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥1500 | 66.6 | 85.7 | 88.1 | 88.8 | 89.8 | 89.9 | 90.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥1200 | 66.7 | 86.4 | 89.0 | 90.1 | 91.3 | 91.4 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥1000 | 66.9 | 87.0 | 89.8 | 91.2 | 92.6 | 92.7 | 92.8 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥900 | 66.8 | 87.1 | 90.0 | 91.6 | 93.7 | 93.1 | 93.3 | 93.6 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥800 | 66.9 | 88.0 | 90.9 | 92.8 | 94.8 | 94.9 | 95.1 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥700 | 66.8 | 88.2 | 91.2 | 93.1 | 95.2 | 95.3 | 95.7 | 95.9 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥600 | 66.8 | 88.3 | 91.4 | 93.3 | 95.8 | 95.9 | 96.3 | 96.6 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥500 | 66.8 | 88.6 | 91.7 | 93.9 | 96.4 | 96.6 | 97.1 | 97.4 | 97.7 | 97.9 | 98.1 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥400 | 66.8 | 88.6 | 91.8 | 94.0 | 96.8 | 96.9 | 97.7 | 98.0 | 98.2 | 98.4 | 98.7 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥300 | 66.8 | 88.6 | 91.8 | 94.0 | 96.8 | 96.9 | 97.7 | 98.0 | 98.2 | 98.7 | 98.9 | 99.1 | 99.7 | 99.7 | 99.9 | 99.9 |
| ≥200 | 66.8 | 88.6 | 91.8 | 94.0 | 96.8 | 96.9 | 97.7 | 98.0 | 98.2 | 98.7 | 98.9 | 99.1 | 99.7 | 99.7 | 100.0 | 100.0 |
| ≥100 | 66.8 | 88.6 | 91.8 | 94.0 | 96.8 | 96.9 | 97.7 | 98.0 | 98.2 | 98.7 | 98.9 | 99.1 | 99.7 | 99.7 | 100.0 | 100.0 |
| ≥50 | 66.8 | 88.6 | 91.8 | 94.0 | 96.8 | 96.9 | 97.7 | 98.0 | 98.2 | 98.7 | 98.9 | 99.1 | 99.7 | 99.7 | 100.0 | 100.0 |
| ≥0 | 66.8 | 88.6 | 91.8 | 94.0 | 96.8 | 96.9 | 97.7 | 98.0 | 98.2 | 98.7 | 98.9 | 99.1 | 99.7 | 99.7 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227 STATION NAME
AIRTOWN NY

74-83 YEARS

AP2

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-2300

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING | 46.2 | 50.1 | 50.1 | 50.1 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| ≥20000 | 40.4 | 54.3 | 54.3 | 54.3 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| ≥18000 | 40.4 | 54.3 | 54.3 | 54.3 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| ≥16000 | 40.4 | 54.3 | 54.3 | 54.3 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| ≥14000 | 50.1 | 55.2 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| ≥12000 | 52.2 | 57.6 | 57.6 | 57.6 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| ≥10000 | 55.9 | 61.9 | 61.9 | 61.9 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| ≥9000 | 55.2 | 62.1 | 62.1 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| ≥8000 | 58.7 | 66.2 | 66.2 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| ≥7000 | 59.2 | 67.2 | 67.2 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| ≥6000 | 57.6 | 68.3 | 68.3 | 68.4 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| ≥5000 | 62.7 | 72.1 | 72.1 | 72.2 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| ≥4500 | 63.7 | 72.8 | 72.8 | 73.3 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| ≥4000 | 64.9 | 76.0 | 76.1 | 76.3 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| ≥3500 | 65.7 | 78.0 | 78.1 | 78.3 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| ≥3000 | 66.7 | 80.7 | 81.3 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥2500 | 67.1 | 82.6 | 83.2 | 83.6 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| ≥2000 | 68.2 | 85.7 | 86.3 | 86.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥1800 | 69.3 | 86.2 | 86.9 | 87.3 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥1500 | 69.7 | 88.0 | 89.1 | 89.7 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥1200 | 69.7 | 88.8 | 90.2 | 91.0 | 91.6 | 91.7 | 91.9 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| ≥1000 | 69.7 | 89.3 | 91.1 | 92.2 | 92.8 | 92.9 | 93.1 | 93.4 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥900 | 69.7 | 89.8 | 92.3 | 93.4 | 94.0 | 94.1 | 94.4 | 94.8 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥800 | 69.7 | 90.3 | 93.1 | 94.3 | 95.0 | 95.1 | 95.7 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥700 | 69.7 | 90.4 | 93.2 | 94.4 | 95.3 | 95.4 | 96.0 | 96.4 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥600 | 69.7 | 90.7 | 93.6 | 95.3 | 96.6 | 96.7 | 97.2 | 97.7 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥500 | 69.7 | 90.8 | 93.7 | 95.4 | 96.7 | 96.9 | 97.4 | 97.9 | 98.0 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥400 | 69.7 | 90.9 | 93.8 | 95.6 | 96.8 | 97.0 | 97.6 | 98.0 | 98.1 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥300 | 69.7 | 90.9 | 93.8 | 95.6 | 96.8 | 97.0 | 97.7 | 98.1 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥200 | 69.7 | 90.9 | 93.8 | 95.6 | 96.8 | 97.0 | 97.7 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥100 | 69.7 | 90.9 | 93.8 | 95.6 | 96.8 | 97.0 | 97.7 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥0 | 69.7 | 90.9 | 93.8 | 95.6 | 96.8 | 97.0 | 97.7 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS 900

JOINT CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227
STATION

WATERTOWN NY

STATION NAME

74-83

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-5

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 30.9 | 44.2 | 44.6 | 44.7 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 |
| ≥20000 | 43.6 | 46.9 | 49.3 | 49.4 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 |
| ≥18000 | 43.7 | 49.0 | 49.4 | 49.5 | 49.5 | 49.5 | 49.5 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| ≥16000 | 43.7 | 49.0 | 49.4 | 49.5 | 49.5 | 49.5 | 49.5 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| ≥14000 | 44.4 | 49.6 | 50.0 | 50.1 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| ≥12000 | 45.6 | 51.2 | 51.7 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| ≥10000 | 49.1 | 54.1 | 54.6 | 54.7 | 54.7 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| ≥9000 | 49.2 | 54.3 | 54.8 | 54.9 | 54.9 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| ≥8000 | 50.6 | 57.6 | 58.2 | 58.3 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| ≥7000 | 51.1 | 58.4 | 59.1 | 59.2 | 59.2 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 |
| ≥6000 | 52.2 | 60.3 | 61.0 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| ≥5000 | 54.3 | 63.6 | 64.6 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| ≥4500 | 55.2 | 65.3 | 66.1 | 66.4 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| ≥4000 | 57.1 | 68.5 | 69.6 | 69.9 | 70.1 | 70.1 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| ≥3500 | 59.6 | 71.1 | 72.3 | 72.7 | 72.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| ≥3000 | 60.7 | 74.8 | 76.4 | 76.9 | 77.3 | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| ≥2500 | 62.5 | 78.8 | 80.7 | 81.5 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| ≥2000 | 63.7 | 81.3 | 83.6 | 84.5 | 85.1 | 85.2 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| ≥1800 | 63.9 | 81.9 | 84.3 | 85.2 | 85.9 | 85.9 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| ≥1500 | 64.5 | 83.4 | 86.7 | 87.2 | 88.0 | 88.1 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| ≥1200 | 64.7 | 84.4 | 87.4 | 88.9 | 89.8 | 90.0 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥1000 | 64.9 | 85.5 | 88.7 | 90.5 | 91.6 | 91.8 | 92.3 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥900 | 64.9 | 85.6 | 89.1 | 90.9 | 92.1 | 92.3 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥800 | 65.0 | 86.1 | 89.8 | 91.8 | 93.2 | 93.4 | 94.1 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥700 | 65.7 | 86.2 | 90.1 | 92.2 | 93.7 | 94.0 | 94.7 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥600 | 65.7 | 86.4 | 90.5 | 92.8 | 94.5 | 94.7 | 95.5 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥500 | 65.0 | 86.6 | 90.8 | 93.3 | 95.7 | 95.4 | 96.3 | 96.8 | 96.9 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥400 | 65.0 | 86.7 | 90.8 | 93.4 | 95.3 | 95.6 | 96.7 | 97.2 | 97.3 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥300 | 65.7 | 86.7 | 90.9 | 93.5 | 95.3 | 95.7 | 96.8 | 97.4 | 97.5 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥200 | 65.0 | 86.7 | 90.9 | 93.5 | 95.4 | 95.8 | 96.9 | 97.5 | 97.6 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥100 | 65.0 | 86.7 | 90.9 | 93.5 | 95.4 | 95.8 | 96.9 | 97.5 | 97.6 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥50 | 65.0 | 86.7 | 90.9 | 93.5 | 95.4 | 95.8 | 96.9 | 97.5 | 97.6 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |

TOTAL NUMBER OF OBSERVATIONS 7192

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 127

WATERTOWN NY

STATION NAME

74-83

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2000-2000

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|-------|-------|--------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .005 | ≥ .001 |
| NO CEILING | 47.2 | 54.3 | 56.1 | 56.6 | 56.5 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 57.2 | 57.3 | 57.3 | 57.4 | 57.5 | 57.9 |
| ≥ 20000 | 47.2 | 56.7 | 58.6 | 59.2 | 59.2 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.6 | 59.9 | 59.9 | 60.0 | 60.2 | 60.5 |
| ≥ 18000 | 47.2 | 56.7 | 58.6 | 59.2 | 59.2 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.8 | 59.9 | 59.9 | 60.0 | 60.2 | 60.5 |
| ≥ 16000 | 47.2 | 56.7 | 58.6 | 59.2 | 59.2 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.8 | 59.9 | 59.9 | 60.0 | 60.2 | 60.5 |
| ≥ 14000 | 47.7 | 57.2 | 59.1 | 59.7 | 59.7 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 60.3 | 60.4 | 60.4 | 60.5 | 60.6 | 61.0 |
| ≥ 12000 | 48.4 | 58.4 | 60.3 | 60.9 | 60.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.5 | 61.6 | 61.6 | 61.7 | 61.9 | 62.2 |
| ≥ 10000 | 50.3 | 62.2 | 64.4 | 65.1 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.7 | 65.8 | 65.8 | 65.9 | 66.1 | 66.4 |
| ≥ 9000 | 51.2 | 63.1 | 65.5 | 66.1 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.8 | 66.9 | 66.9 | 67.0 | 67.1 | 67.5 |
| ≥ 8000 | 54.5 | 68.1 | 70.4 | 71.2 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 72.0 | 72.1 | 72.1 | 72.2 | 72.3 | 72.7 |
| ≥ 7000 | 54.9 | 68.7 | 71.2 | 71.8 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.6 | 72.7 | 72.7 | 72.8 | 72.9 | 73.3 |
| ≥ 6000 | 55.7 | 70.4 | 73.1 | 73.8 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.7 | 74.8 | 74.8 | 75.0 | 75.1 | 75.5 |
| ≥ 5000 | 57.1 | 76.2 | 78.9 | 79.7 | 80.4 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 81.3 | 81.5 | 81.5 | 81.6 | 81.7 | 82.1 |
| ≥ 4500 | 58.4 | 76.7 | 79.4 | 80.1 | 80.9 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.8 | 81.9 | 81.9 | 82.1 | 82.2 | 82.6 |
| ≥ 4000 | 59.7 | 76.7 | 81.5 | 82.2 | 83.1 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 84.0 | 84.1 | 84.1 | 84.2 | 84.4 | 84.7 |
| ≥ 3500 | 60.3 | 79.9 | 82.7 | 83.4 | 84.2 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 85.2 | 85.3 | 85.3 | 85.4 | 85.6 | 85.9 |
| ≥ 3000 | 61.6 | 82.3 | 85.3 | 86.5 | 87.4 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.6 | 88.7 | 88.7 | 88.8 | 88.9 | 89.3 |
| ≥ 2500 | 62.1 | 83.5 | 86.8 | 88.2 | 89.2 | 89.7 | 89.9 | 89.9 | 89.9 | 89.9 | 90.4 | 90.5 | 90.5 | 90.6 | 90.7 | 91.1 |
| ≥ 2000 | 62.1 | 84.7 | 88.2 | 89.7 | 90.7 | 91.2 | 91.5 | 91.5 | 91.5 | 91.5 | 91.9 | 92.1 | 92.1 | 92.2 | 92.3 | 92.7 |
| ≥ 1800 | 62.5 | 85.3 | 88.8 | 90.3 | 91.3 | 91.8 | 92.1 | 92.1 | 92.1 | 92.1 | 92.5 | 92.7 | 92.7 | 92.8 | 92.9 | 93.3 |
| ≥ 1500 | 62.6 | 86.2 | 90.0 | 91.5 | 92.5 | 93.0 | 93.3 | 93.3 | 93.3 | 93.3 | 93.7 | 93.9 | 93.9 | 94.0 | 94.1 | 94.5 |
| ≥ 1200 | 62.7 | 86.3 | 90.4 | 91.9 | 93.1 | 93.6 | 93.9 | 93.9 | 93.9 | 93.9 | 94.3 | 94.5 | 94.5 | 94.6 | 94.7 | 95.1 |
| ≥ 1000 | 62.7 | 86.5 | 90.6 | 92.3 | 93.7 | 94.2 | 94.5 | 94.5 | 94.5 | 94.5 | 94.9 | 95.1 | 95.1 | 95.2 | 95.3 | 95.7 |
| ≥ 900 | 62.8 | 86.9 | 91.0 | 92.7 | 94.2 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 95.4 | 95.5 | 95.5 | 95.7 | 95.8 | 96.1 |
| ≥ 800 | 62.8 | 87.0 | 91.5 | 93.4 | 95.3 | 95.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.8 | 96.9 | 96.9 | 97.0 | 97.1 | 97.5 |
| ≥ 700 | 62.8 | 87.0 | 91.5 | 93.4 | 95.4 | 95.9 | 96.3 | 96.3 | 96.3 | 96.3 | 96.9 | 97.0 | 97.0 | 97.1 | 97.2 | 97.6 |
| ≥ 600 | 62.8 | 87.0 | 91.5 | 93.4 | 95.4 | 95.9 | 96.3 | 96.3 | 96.3 | 96.3 | 96.9 | 97.0 | 97.0 | 97.1 | 97.2 | 97.6 |
| ≥ 500 | 62.8 | 87.0 | 91.6 | 93.6 | 95.8 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 97.2 | 97.4 | 97.4 | 97.5 | 97.6 | 98.0 |
| ≥ 400 | 62.8 | 87.0 | 91.6 | 93.7 | 95.9 | 96.4 | 97.0 | 97.1 | 97.1 | 97.1 | 97.8 | 98.0 | 98.0 | 98.1 | 98.2 | 98.6 |
| ≥ 300 | 62.8 | 87.0 | 91.6 | 93.9 | 96.0 | 96.5 | 97.2 | 97.6 | 97.6 | 97.6 | 98.4 | 98.7 | 98.7 | 98.8 | 98.9 | 99.3 |
| ≥ 200 | 62.8 | 87.0 | 91.6 | 93.9 | 96.0 | 96.5 | 97.2 | 97.6 | 97.6 | 97.6 | 98.4 | 98.7 | 98.7 | 98.9 | 99.0 | 99.5 |
| ≥ 100 | 62.8 | 87.0 | 91.6 | 93.9 | 96.0 | 96.5 | 97.2 | 97.6 | 97.6 | 97.6 | 98.4 | 98.7 | 98.7 | 98.9 | 99.0 | 99.5 |
| ≥ 0 | 62.8 | 87.0 | 91.6 | 93.9 | 96.0 | 96.5 | 97.2 | 97.6 | 97.6 | 97.6 | 98.4 | 98.7 | 98.7 | 98.9 | 99.0 | 99.5 |

TOTAL NUMBER OF OBSERVATIONS 631

CLIMATOCLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72 227
STATION

WATERTOWN NY

STATION NAME

74-83

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥0 |
| NO CEILING | 47.5 | 47.2 | 51.1 | 51.7 | 52.2 | 52.2 | 52.7 | 52.8 | 52.8 | 52.9 | 52.9 | 52.9 | 53.0 | 53.3 | 53.6 | 53.6 |
| ≥ 20000 | 42.3 | 50.2 | 53.1 | 54.8 | 55.2 | 55.2 | 55.8 | 55.9 | 55.9 | 56.0 | 56.0 | 56.0 | 56.2 | 56.4 | 56.7 | 56.7 |
| ≥ 18000 | 42.3 | 50.2 | 53.1 | 54.8 | 55.2 | 55.2 | 55.8 | 55.9 | 55.9 | 56.0 | 56.0 | 56.0 | 56.2 | 56.4 | 56.7 | 56.7 |
| ≥ 16000 | 42.3 | 50.2 | 53.1 | 54.8 | 55.2 | 55.2 | 55.8 | 55.9 | 55.9 | 56.0 | 56.0 | 56.0 | 56.2 | 56.4 | 56.7 | 56.7 |
| ≥ 14000 | 43.1 | 50.5 | 53.4 | 55.0 | 55.5 | 55.6 | 56.2 | 56.3 | 56.3 | 56.4 | 56.4 | 56.4 | 56.5 | 56.7 | 57.1 | 57.1 |
| ≥ 12000 | 44.7 | 51.5 | 54.5 | 56.2 | 56.6 | 56.7 | 57.3 | 57.4 | 57.4 | 57.6 | 57.6 | 57.6 | 57.7 | 57.9 | 58.3 | 58.3 |
| ≥ 10000 | 45.5 | 54.2 | 57.3 | 59.4 | 60.3 | 60.5 | 61.0 | 61.2 | 61.2 | 61.3 | 61.3 | 61.3 | 61.5 | 61.7 | 62.1 | 62.1 |
| ≥ 9000 | 46.0 | 54.8 | 57.9 | 60.0 | 60.9 | 61.0 | 61.6 | 61.7 | 61.7 | 61.9 | 61.9 | 61.9 | 62.1 | 62.3 | 62.7 | 62.7 |
| ≥ 8000 | 49.4 | 57.9 | 61.2 | 63.3 | 64.2 | 64.3 | 64.9 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 | 65.5 | 65.7 | 66.0 | 66.0 |
| ≥ 7000 | 49.8 | 58.8 | 62.1 | 64.2 | 65.1 | 65.2 | 65.9 | 65.9 | 65.9 | 66.2 | 66.2 | 66.2 | 66.4 | 66.6 | 67.0 | 67.0 |
| ≥ 6000 | 49.5 | 60.0 | 63.3 | 65.5 | 66.4 | 66.5 | 67.1 | 67.3 | 67.3 | 67.6 | 67.7 | 67.7 | 67.9 | 68.1 | 68.5 | 68.5 |
| ≥ 5000 | 52.1 | 65.6 | 69.5 | 72.0 | 73.1 | 73.3 | 73.8 | 74.1 | 74.1 | 74.3 | 74.4 | 74.4 | 74.7 | 74.9 | 75.2 | 75.2 |
| ≥ 4500 | 52.6 | 66.4 | 70.6 | 73.0 | 74.3 | 74.4 | 75.0 | 75.2 | 75.2 | 75.5 | 75.6 | 75.6 | 75.8 | 76.0 | 76.4 | 76.4 |
| ≥ 4000 | 53.5 | 68.1 | 72.4 | 74.9 | 76.5 | 76.6 | 77.3 | 77.6 | 77.6 | 77.8 | 77.9 | 77.9 | 78.1 | 78.4 | 78.7 | 78.7 |
| ≥ 3500 | 55.2 | 70.7 | 75.1 | 77.6 | 79.3 | 79.4 | 80.1 | 80.3 | 80.3 | 80.7 | 80.8 | 80.8 | 81.0 | 81.3 | 81.6 | 81.6 |
| ≥ 3000 | 56.9 | 73.1 | 77.8 | 80.6 | 82.9 | 82.9 | 83.6 | 83.8 | 83.8 | 84.2 | 84.3 | 84.3 | 84.5 | 84.8 | 85.1 | 85.1 |
| ≥ 2500 | 57.4 | 74.4 | 79.4 | 82.6 | 84.8 | 84.9 | 85.6 | 86.0 | 86.0 | 86.4 | 86.5 | 86.5 | 86.7 | 87.0 | 87.3 | 87.3 |
| ≥ 2000 | 57.8 | 75.3 | 80.6 | 83.7 | 86.2 | 86.3 | 87.0 | 87.4 | 87.4 | 87.8 | 87.9 | 87.9 | 88.1 | 88.4 | 88.7 | 88.7 |
| ≥ 1800 | 57.8 | 75.5 | 80.8 | 84.0 | 86.5 | 86.6 | 87.3 | 87.8 | 87.8 | 88.1 | 88.3 | 88.3 | 88.5 | 88.7 | 89.1 | 89.1 |
| ≥ 1500 | 58.1 | 76.2 | 81.7 | 85.1 | 87.7 | 88.0 | 88.8 | 89.3 | 89.3 | 89.7 | 89.8 | 89.8 | 90.0 | 90.2 | 90.6 | 90.6 |
| ≥ 1200 | 58.6 | 76.7 | 82.4 | 86.0 | 88.6 | 89.0 | 89.8 | 90.2 | 90.2 | 90.6 | 90.7 | 90.7 | 90.9 | 91.2 | 91.5 | 91.5 |
| ≥ 1000 | 58.6 | 77.0 | 82.9 | 86.5 | 89.2 | 89.5 | 90.3 | 90.8 | 90.8 | 91.2 | 91.3 | 91.4 | 91.6 | 91.9 | 92.2 | 92.2 |
| ≥ 900 | 58.6 | 77.3 | 83.3 | 86.9 | 89.8 | 90.1 | 90.9 | 91.4 | 91.4 | 91.7 | 91.9 | 92.0 | 92.2 | 92.4 | 92.8 | 92.8 |
| ≥ 800 | 58.7 | 77.8 | 83.8 | 87.8 | 90.8 | 91.2 | 92.0 | 92.4 | 92.4 | 92.8 | 92.9 | 93.0 | 93.3 | 93.5 | 93.8 | 93.8 |
| ≥ 700 | 58.7 | 77.8 | 84.0 | 88.1 | 91.2 | 91.5 | 92.3 | 92.9 | 92.9 | 93.3 | 93.4 | 93.5 | 93.7 | 94.0 | 94.3 | 94.3 |
| ≥ 600 | 58.7 | 77.8 | 84.0 | 88.1 | 91.2 | 91.5 | 92.3 | 93.0 | 93.0 | 93.4 | 93.5 | 93.6 | 93.8 | 94.1 | 94.4 | 94.4 |
| ≥ 500 | 58.7 | 78.0 | 84.3 | 88.5 | 91.7 | 92.1 | 92.9 | 93.6 | 93.6 | 94.1 | 94.2 | 94.3 | 94.7 | 94.9 | 95.2 | 95.2 |
| ≥ 400 | 58.7 | 78.0 | 84.7 | 89.0 | 92.3 | 92.7 | 93.5 | 94.7 | 94.7 | 95.3 | 95.5 | 95.6 | 95.9 | 96.2 | 96.5 | 96.5 |
| ≥ 300 | 58.7 | 78.0 | 84.8 | 89.1 | 92.7 | 93.0 | 94.0 | 95.6 | 95.6 | 96.5 | 96.9 | 97.0 | 97.4 | 97.8 | 98.3 | 98.3 |
| ≥ 200 | 58.7 | 78.1 | 85.0 | 89.3 | 92.9 | 93.3 | 94.2 | 96.0 | 96.0 | 97.0 | 97.4 | 97.6 | 98.0 | 98.6 | 99.1 | 99.1 |
| ≥ 100 | 58.7 | 78.1 | 85.0 | 89.3 | 92.9 | 93.3 | 94.2 | 96.0 | 96.0 | 97.0 | 97.4 | 97.6 | 98.0 | 98.6 | 99.1 | 99.3 |
| ≥ 0 | 58.7 | 78.1 | 85.0 | 89.3 | 92.9 | 93.3 | 94.2 | 96.0 | 96.0 | 97.0 | 97.4 | 97.6 | 98.0 | 98.6 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 860

CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-227
STATION

WARTOWN NY
STATION NAME

74-83
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

500-0000

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING | 32.5 | 41.0 | 42.1 | 43.4 | 47.9 | 43.3 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| ≥ 20000 | 36.1 | 44.7 | 47.7 | 48.3 | 47.7 | 49.1 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| ≥ 18000 | 36.1 | 44.7 | 47.7 | 48.3 | 49.7 | 49.3 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| ≥ 16000 | 36.1 | 44.7 | 47.7 | 48.3 | 49.1 | 49.1 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| ≥ 14000 | 36.4 | 45.0 | 47.4 | 48.3 | 49.4 | 49.4 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| ≥ 12000 | 37.5 | 46.4 | 48.7 | 50.3 | 50.9 | 50.9 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| ≥ 10000 | 40.9 | 51.1 | 54.0 | 56.5 | 57.2 | 57.2 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| ≥ 9000 | 41.4 | 51.7 | 54.6 | 57.1 | 57.7 | 57.7 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 |
| ≥ 8000 | 43.5 | 55.4 | 59.5 | 61.3 | 61.9 | 61.9 | 62.2 | 62.2 | 62.2 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| ≥ 7000 | 44.1 | 56.5 | 59.5 | 62.4 | 63.1 | 63.1 | 63.5 | 63.5 | 63.5 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| ≥ 6000 | 45.6 | 58.7 | 62.7 | 64.9 | 65.7 | 65.7 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| ≥ 5000 | 45.7 | 63.1 | 67.3 | 70.4 | 71.3 | 71.3 | 71.7 | 71.8 | 71.8 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| ≥ 4500 | 49.4 | 64.3 | 68.5 | 71.7 | 72.6 | 72.6 | 73.1 | 73.2 | 73.2 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| ≥ 4000 | 50.1 | 66.3 | 71.2 | 74.9 | 75.7 | 75.7 | 76.3 | 76.3 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| ≥ 3500 | 50.9 | 67.6 | 72.7 | 76.5 | 77.3 | 77.3 | 77.9 | 78.0 | 78.0 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| ≥ 3000 | 52.4 | 70.0 | 75.6 | 79.6 | 80.7 | 80.7 | 81.2 | 81.3 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| ≥ 2500 | 52.9 | 71.3 | 77.1 | 81.3 | 82.6 | 82.7 | 83.3 | 83.5 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| ≥ 2000 | 53.9 | 72.7 | 78.7 | 83.6 | 85.2 | 85.2 | 86.3 | 86.6 | 86.6 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| ≥ 1800 | 53.9 | 72.9 | 79.0 | 83.6 | 85.4 | 85.4 | 86.6 | 86.9 | 86.9 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥ 1500 | 54.3 | 73.9 | 80.2 | 85.2 | 87.3 | 87.7 | 88.7 | 89.1 | 89.1 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 1200 | 55.1 | 74.5 | 81.1 | 86.2 | 88.3 | 88.8 | 89.8 | 90.2 | 90.2 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 1000 | 55.3 | 75.2 | 81.8 | 87.2 | 89.8 | 90.2 | 91.3 | 91.7 | 91.7 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| ≥ 900 | 55.3 | 75.2 | 81.9 | 87.3 | 91.1 | 90.4 | 91.5 | 91.9 | 91.9 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 800 | 55.4 | 75.7 | 82.5 | 88.3 | 91.3 | 91.0 | 93.7 | 93.5 | 93.6 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 700 | 55.4 | 75.8 | 82.7 | 88.6 | 91.6 | 92.3 | 93.6 | 94.3 | 94.4 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 600 | 55.4 | 75.8 | 82.7 | 88.6 | 91.6 | 92.3 | 93.6 | 94.3 | 94.4 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 500 | 55.4 | 76.3 | 83.4 | 89.3 | 92.9 | 93.5 | 94.9 | 95.6 | 95.7 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 400 | 55.4 | 76.5 | 83.9 | 90.0 | 93.7 | 94.2 | 95.8 | 96.5 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 300 | 55.4 | 76.5 | 83.9 | 90.3 | 94.1 | 94.4 | 96.4 | 97.3 | 97.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 200 | 55.4 | 76.5 | 83.9 | 90.3 | 94.2 | 95.1 | 96.7 | 97.5 | 97.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 100 | 55.4 | 76.5 | 83.9 | 90.3 | 94.2 | 95.1 | 96.7 | 97.5 | 97.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 0 | 55.4 | 76.5 | 83.9 | 90.3 | 94.2 | 95.1 | 96.7 | 97.5 | 97.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |

TOTAL NUMBER OF OBSERVATIONS 5.7

FEDERAL CLIMATOLOGY BRANCH
WAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

721227
STATION

WATERTOWN, NY

STATION NAME

74-83

YEARS

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1977-1980
MONTHS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|---|--------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING ≥ 20000 | 37.4 | 42.2 | 43.9 | 44.7 | 44.3 | 44.3 | 44.8 | 44.6 | 44.8 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| ≥ 18000 ≥ 6000 | 37.4 | 45.7 | 48.6 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| ≥ 14000 ≥ 2000 | 37.4 | 46.7 | 48.6 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| ≥ 10000 ≥ 9000 | 37.8 | 47.2 | 49.1 | 50.2 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| ≥ 8000 ≥ 7000 | 41.9 | 51.9 | 54.6 | 56.2 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| ≥ 6000 ≥ 5000 | 41.3 | 52.4 | 55.1 | 56.7 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| ≥ 4500 ≥ 4000 | 44.7 | 56.2 | 59.0 | 61.2 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| ≥ 3000 ≥ 2000 | 45.1 | 56.8 | 59.6 | 61.7 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| ≥ 1500 ≥ 1000 | 46.7 | 59.7 | 62.6 | 64.7 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| ≥ 1000 ≥ 500 | 47.7 | 62.7 | 66.0 | 68.3 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| ≥ 500 ≥ 200 | 49.1 | 63.3 | 66.7 | 68.9 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| ≥ 200 ≥ 100 | 49.9 | 65.2 | 68.7 | 71.1 | 71.8 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| ≥ 100 ≥ 50 | 51.5 | 67.4 | 71.7 | 74.3 | 75.1 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| ≥ 50 ≥ 20 | 52.6 | 70.0 | 74.6 | 77.4 | 78.2 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| ≥ 20 ≥ 10 | 54.1 | 73.3 | 78.3 | 81.5 | 82.5 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| ≥ 10 ≥ 5 | 55.7 | 76.3 | 81.6 | 84.9 | 86.1 | 86.3 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| ≥ 5 ≥ 2 | 56.1 | 76.7 | 81.9 | 85.3 | 86.5 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥ 2 ≥ 1 | 57.3 | 78.7 | 84.1 | 87.8 | 89.1 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 1 ≥ 0.5 | 58.2 | 79.6 | 85.1 | 89.0 | 90.3 | 90.5 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 0.5 ≥ 0.2 | 58.7 | 81.4 | 87.2 | 92.0 | 93.3 | 93.5 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 0.2 ≥ 0.1 | 59.7 | 81.8 | 87.7 | 92.7 | 94.3 | 94.5 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 0.1 ≥ 0.05 | 59.7 | 81.9 | 87.8 | 93.1 | 94.7 | 94.9 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 0.05 ≥ 0.02 | 59.8 | 82.4 | 88.4 | 93.7 | 95.5 | 95.6 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 0.02 ≥ 0.01 | 59.8 | 82.6 | 88.8 | 94.1 | 96.0 | 96.5 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 0.01 ≥ 0.005 | 59.8 | 82.9 | 89.5 | 95.1 | 97.3 | 97.7 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 0.005 ≥ 0.002 | 59.8 | 82.9 | 89.5 | 95.1 | 97.4 | 98.0 | 98.9 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 0.002 ≥ 0.001 | 59.9 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.2 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0.001 ≥ 0.0005 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.0005 ≥ 0.0002 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.0002 ≥ 0.0001 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.0001 ≥ 0.00005 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.00005 ≥ 0.00002 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.00002 ≥ 0.00001 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.00001 ≥ 0.000005 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.000005 ≥ 0.000002 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.000002 ≥ 0.000001 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.000001 ≥ 0.0000005 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.0000005 ≥ 0.0000002 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.0000002 ≥ 0.0000001 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.0000001 ≥ 0.00000005 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.00000005 ≥ 0.00000002 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.00000002 ≥ 0.00000001 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.00000001 ≥ 0.000000005 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.000000005 ≥ 0.000000002 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.000000002 ≥ 0.000000001 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.000000001 ≥ 0.0000000005 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.0000000005 ≥ 0.0000000002 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.0000000002 ≥ 0.0000000001 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.0000000001 ≥ 0.00000000005 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.00000000005 ≥ 0.00000000002 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.00000000002 ≥ 0.00000000001 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.00000000001 ≥ 0.000000000005 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.000000000005 ≥ 0.000000000002 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.000000000002 ≥ 0.000000000001 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.000000000001 ≥ 0.0000000000005 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.0000000000005 ≥ 0.0000000000002 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.0000000000002 ≥ 0.0000000000001 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.0000000000001 ≥ 0.00000000000005 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.00000000000005 ≥ 0.00000000000002 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.00000000000002 ≥ 0.00000000000001 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.00000000000001 ≥ 0.000000000000005 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.000000000000005 ≥ 0.000000000000002 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.000000000000002 ≥ 0.000000000000001 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0.000000000000001 ≥ 0.0000000000000005 | 59.8 | 83.0 | 89.6 | 95.2 | 97.6 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100. | |

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227

WATERTOWN NY

STATION NAME

74-83

YEARS

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

12-2-1470

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 34.1 | 42.3 | 44.9 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥20000 | 37.3 | 48.0 | 50.6 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| ≥18000 | 37.3 | 48.0 | 50.6 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| ≥16000 | 37.3 | 48.0 | 50.6 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| ≥14000 | 39.1 | 48.8 | 51.5 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| ≥12000 | 39.1 | 50.2 | 52.9 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| ≥10000 | 42.1 | 54.4 | 57.3 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| ≥9000 | 42.1 | 54.4 | 57.3 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| ≥8000 | 46.6 | 58.7 | 61.6 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| ≥7000 | 46.6 | 60.2 | 63.3 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| ≥6000 | 49.4 | 62.3 | 65.4 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| ≥5000 | 50.9 | 66.1 | 69.2 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| ≥4500 | 51.3 | 66.9 | 70.3 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| ≥4000 | 52.4 | 68.8 | 72.8 | 75.2 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| ≥3500 | 54.1 | 71.4 | 75.6 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| ≥3000 | 56.2 | 74.5 | 79.1 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥2500 | 57.7 | 77.1 | 82.2 | 85.2 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| ≥2000 | 59.1 | 80.4 | 85.7 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥1800 | 59.1 | 80.4 | 85.7 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥1600 | 61.1 | 83.0 | 88.5 | 91.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥1400 | 61.7 | 84.0 | 89.5 | 92.5 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥1200 | 62.0 | 85.1 | 90.8 | 94.1 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥1000 | 62.1 | 85.6 | 91.4 | 94.6 | 96.3 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥900 | 62.2 | 85.9 | 91.8 | 95.1 | 96.8 | 96.8 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥800 | 62.2 | 86.5 | 92.5 | 95.7 | 97.4 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥700 | 62.3 | 86.7 | 93.0 | 96.2 | 98.0 | 98.1 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥600 | 62.3 | 86.7 | 93.1 | 96.5 | 98.3 | 98.3 | 98.9 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥500 | 62.3 | 86.7 | 93.1 | 96.5 | 98.7 | 98.9 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥400 | 62.3 | 86.7 | 93.1 | 96.5 | 98.7 | 98.9 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥300 | 62.3 | 86.7 | 93.1 | 96.5 | 98.7 | 98.9 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥200 | 62.3 | 86.7 | 93.1 | 96.5 | 98.7 | 98.9 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥100 | 62.3 | 86.7 | 93.1 | 96.5 | 98.7 | 98.9 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥0 | 62.3 | 86.7 | 93.1 | 96.5 | 98.7 | 98.9 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 227 WATER TOWN NY STATION NAME

74-83

YEAR

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15-2-1722

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| NO RECORD | 37.9 | 44.1 | 46.8 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 |
| ≥20000 | 37.7 | 44.4 | 51.6 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| ≥18000 | 37.7 | 47.5 | 51.9 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| ≥16000 | 37.9 | 47.7 | 52.2 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| ≥14000 | 47.3 | 50.2 | 52.8 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| ≥12000 | 41.1 | 51.2 | 53.9 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| ≥10000 | 47.2 | 53.5 | 56.5 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| ≥9000 | 43.7 | 54.2 | 57.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| ≥8000 | 44.3 | 59.1 | 62.7 | 63.3 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| ≥7000 | 46.7 | 59.8 | 62.9 | 63.7 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| ≥6000 | 47.6 | 62.3 | 65.4 | 66.3 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| ≥5000 | 51.4 | 66.3 | 70.0 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| ≥4500 | 52.1 | 68.0 | 72.2 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| ≥4000 | 55.7 | 73.2 | 78.2 | 79.7 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| ≥3500 | 57.2 | 76.1 | 81.4 | 82.9 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| ≥3000 | 57.2 | 77.1 | 84.6 | 86.2 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥2500 | 67.3 | 85.8 | 86.5 | 88.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥2000 | 51.1 | 92.4 | 88.1 | 90.6 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥1800 | 61.1 | 92.5 | 88.2 | 90.8 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥1600 | 57.2 | 94.0 | 89.8 | 92.6 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥1400 | 52.6 | 84.8 | 97.9 | 93.8 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥1200 | 62.6 | 35.4 | 91.5 | 94.5 | 96.2 | 96.2 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥1000 | 62.6 | 56.0 | 92.2 | 95.2 | 96.9 | 96.9 | 97.0 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥900 | 62.6 | 86.0 | 92.6 | 95.6 | 97.3 | 97.3 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥800 | 62.6 | 86.1 | 92.9 | 95.9 | 97.6 | 97.6 | 97.8 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥700 | 62.6 | 86.1 | 93.0 | 96.0 | 97.7 | 97.8 | 98.2 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥600 | 62.6 | 86.2 | 93.1 | 96.1 | 98.0 | 98.2 | 98.6 | 98.9 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥500 | 62.6 | 86.2 | 93.1 | 96.1 | 98.3 | 98.5 | 98.9 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥400 | 62.6 | 86.2 | 93.1 | 96.1 | 98.3 | 98.6 | 99.1 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥300 | 62.6 | 86.2 | 93.1 | 96.1 | 98.3 | 98.6 | 99.1 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥200 | 62.6 | 86.2 | 93.1 | 96.1 | 98.3 | 98.6 | 99.1 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥100 | 62.6 | 86.2 | 93.1 | 96.1 | 98.3 | 98.6 | 99.1 | 99.5 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 93

LOCAL CLIMATOLOGY BRANCH
 ETAC
 WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

STATION 007 ALBERTA, NY

74-53

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-2000

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |
| ≥7000 | 37.4 | 46.2 | 48.2 | 46.8 | 46.9 | 45.3 | 49.7 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| 6000 | 4.7 | 51.7 | 53.7 | 54.8 | 54.5 | 54.2 | 54.5 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| 5000 | 40.7 | 51.7 | 53.9 | 54.8 | 54.6 | 54.6 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| 4000 | 40.7 | 51.7 | 53.9 | 54.8 | 54.6 | 54.6 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| 3000 | 41.0 | 52.1 | 54.4 | 55.1 | 55.7 | 55.0 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 2000 | 41.7 | 53.1 | 55.2 | 55.2 | 55.9 | 55.9 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| 1000 | 43.7 | 56.4 | 59.4 | 60.7 | 60.7 | 60.7 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| 800 | 44.2 | 56.8 | 59.9 | 61.1 | 61.1 | 61.1 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| 600 | 47.3 | 60.5 | 63.9 | 65.3 | 65.3 | 65.3 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| 500 | 47.9 | 62.8 | 66.4 | 67.8 | 68.1 | 68.1 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| 400 | 48.1 | 64.8 | 68.5 | 69.9 | 70.3 | 70.3 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| 300 | 47.3 | 70.2 | 74.3 | 75.7 | 76.1 | 76.1 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| 200 | 44.5 | 71.8 | 75.9 | 77.4 | 77.8 | 77.8 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 150 | 56.9 | 75.8 | 82.6 | 82.2 | 82.7 | 82.7 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| 100 | 57.7 | 78.1 | 82.9 | 84.7 | 85.3 | 85.3 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| 80 | 58.3 | 80.8 | 85.9 | 87.8 | 88.5 | 88.5 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| 60 | 60.3 | 83.0 | 89.4 | 90.9 | 91.6 | 91.6 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| 40 | 61.1 | 84.1 | 89.6 | 92.2 | 93.3 | 93.3 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| 20 | 61.1 | 84.2 | 89.7 | 92.4 | 93.3 | 93.3 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| 10 | 61.7 | 85.1 | 90.7 | 93.4 | 94.5 | 94.5 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| 5 | 61.7 | 85.6 | 91.3 | 94.1 | 95.3 | 95.3 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 3 | 61.7 | 86.1 | 91.7 | 94.4 | 95.9 | 95.9 | 96.9 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| 2 | 61.7 | 86.1 | 91.8 | 94.8 | 96.3 | 96.3 | 97.3 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 1 | 61.7 | 86.2 | 91.9 | 95.3 | 96.9 | 96.9 | 97.8 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| 0 | 61.9 | 86.3 | 92.1 | 95.5 | 97.3 | 97.3 | 98.3 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 0 | 61.3 | 86.3 | 92.0 | 95.6 | 97.4 | 97.4 | 98.5 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 0 | 61.8 | 86.3 | 92.0 | 95.7 | 97.4 | 97.6 | 98.8 | 99.0 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 0 | 61.9 | 86.3 | 92.0 | 95.8 | 98.1 | 98.1 | 99.2 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 0 | 61.3 | 86.3 | 92.0 | 95.8 | 98.2 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 61.3 | 86.3 | 92.0 | 95.8 | 98.2 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 61.9 | 86.3 | 92.1 | 95.8 | 98.2 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 61.9 | 86.3 | 92.1 | 95.8 | 98.2 | 98.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 979

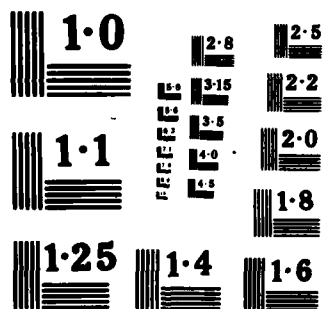
UNCLASSIFIED

USAFETAC/DS-84/035

NL

F/G 4/2

NL



GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-727
STATION

WATERTOWN NY
STATION NAME

74-83
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

| CEILING FEET | VISIBILITY: STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥0 |
| NO CEILING | 41.1 | 52.4 | 54.5 | 54.8 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2 | 55.4 | 55.4 | 55.4 |
| ≥ 20000 | 44.3 | 56.5 | 58.7 | 59.0 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.6 |
| ≥ 18000 | 44.3 | 56.5 | 58.7 | 59.0 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.6 |
| ≥ 16000 | 44.3 | 56.5 | 58.7 | 59.0 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.6 |
| ≥ 14000 | 45.1 | 56.8 | 59.0 | 59.4 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.8 | 59.8 | 59.8 | 59.8 | 60.0 | 60.0 | 60.0 |
| ≥ 12000 | 46.3 | 58.3 | 67.5 | 61.0 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.7 | 61.7 | 61.7 | 61.7 | 61.8 | 61.8 | 61.8 |
| ≥ 10000 | 48.2 | 61.8 | 64.1 | 64.8 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.7 | 65.7 | 65.7 |
| ≥ 9000 | 48.3 | 62.0 | 64.3 | 65.0 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.9 | 65.9 | 65.9 |
| ≥ 8000 | 50.6 | 65.2 | 67.8 | 68.8 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.7 | 69.7 | 69.7 |
| ≥ 7000 | 51.4 | 67.3 | 69.9 | 70.9 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 |
| ≥ 6000 | 52.5 | 69.6 | 72.2 | 73.2 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 |
| ≥ 5000 | 56.7 | 75.4 | 78.3 | 79.3 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.8 | 80.8 | 80.8 |
| ≥ 4500 | 56.9 | 76.9 | 79.7 | 80.9 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 |
| ≥ 4000 | 58.1 | 79.6 | 82.6 | 83.9 | 85.4 | 85.4 | 85.4 | 85.4 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 86.0 | 86.0 | 86.0 |
| ≥ 3500 | 59.1 | 81.8 | 84.9 | 86.3 | 87.8 | 87.8 | 87.8 | 88.1 | 88.1 | 88.3 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 |
| ≥ 3000 | 60.2 | 84.2 | 87.5 | 88.8 | 90.7 | 90.7 | 90.7 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.3 | 91.3 | 91.3 |
| ≥ 2500 | 60.4 | 85.4 | 88.6 | 90.1 | 91.9 | 91.9 | 92.3 | 92.6 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 |
| ≥ 2000 | 61.0 | 87.1 | 90.8 | 92.3 | 94.6 | 94.6 | 94.9 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 |
| ≥ 1800 | 61.0 | 87.1 | 91.0 | 92.5 | 94.8 | 94.8 | 95.2 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 |
| ≥ 1500 | 61.0 | 87.5 | 91.5 | 93.0 | 95.4 | 95.4 | 95.9 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 |
| ≥ 1200 | 61.1 | 87.9 | 92.1 | 93.6 | 96.3 | 96.3 | 96.9 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 |
| ≥ 1000 | 61.1 | 88.3 | 92.6 | 94.2 | 97.2 | 97.2 | 97.9 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.6 | 98.7 | 98.7 |
| ≥ 900 | 61.1 | 88.3 | 92.6 | 94.2 | 97.2 | 97.2 | 97.9 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.6 | 98.7 | 98.7 |
| ≥ 800 | 61.1 | 88.4 | 92.8 | 94.4 | 97.4 | 97.4 | 98.2 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 | 99.0 | 99.0 |
| ≥ 700 | 61.1 | 88.4 | 92.8 | 94.4 | 97.4 | 97.4 | 98.2 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 | 99.0 | 99.0 |
| ≥ 600 | 61.1 | 88.4 | 92.8 | 94.4 | 97.4 | 97.4 | 98.2 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 99.0 | 99.1 | 99.1 |
| ≥ 500 | 61.1 | 88.5 | 92.9 | 94.6 | 97.8 | 97.8 | 98.6 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 |
| ≥ 400 | 61.1 | 88.5 | 92.9 | 94.6 | 97.9 | 97.9 | 98.7 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.7 | 99.7 |
| ≥ 300 | 61.1 | 88.5 | 92.9 | 94.6 | 98.0 | 98.0 | 98.8 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.8 | 99.9 | 99.9 |
| ≥ 200 | 61.1 | 88.5 | 92.9 | 94.6 | 98.0 | 98.0 | 98.8 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.8 | 99.9 | 99.9 |
| ≥ 100 | 61.1 | 88.5 | 92.9 | 94.6 | 98.0 | 98.0 | 98.8 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.8 | 99.9 | 100.0 |
| ≥ 0 | 61.1 | 88.5 | 92.9 | 94.6 | 98.0 | 98.0 | 98.8 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 865

GLOBAL CLIMATOLOGY BRANCH
WAFETAC
ATP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

700227
STATION

LATERTOWN NY
STATION NAME

74-83
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 151

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1.4 | ≥1 | ≥.5 | ≥.4 | ≥.3 | ≥.25 | ≥.2 | ≥0 |
| NO CEILING | 37.2 | 46.0 | 48.1 | 48.9 | 49.1 | 49.1 | 49.2 | 49.2 | 49.2 | 49.3 | 49.3 | 49.3 | 49.3 | 49.4 | 49.4 | 49.4 |
| ≥ 20000 | 40.6 | 50.3 | 52.7 | 53.5 | 53.7 | 53.7 | 53.8 | 53.9 | 53.9 | 53.9 | 54.0 | 54.0 | 54.0 | 54.1 | 54.1 | 54.1 |
| 18000 | 40.6 | 50.3 | 52.7 | 53.5 | 53.7 | 53.7 | 53.9 | 53.9 | 53.9 | 54.0 | 54.0 | 54.0 | 54.0 | 54.1 | 54.1 | 54.1 |
| 16000 | 40.6 | 50.4 | 52.7 | 53.6 | 53.7 | 53.8 | 53.9 | 53.9 | 53.9 | 54.0 | 54.0 | 54.0 | 54.0 | 54.1 | 54.2 | 54.2 |
| 14000 | 41.0 | 50.8 | 53.2 | 54.1 | 54.2 | 54.3 | 54.4 | 54.4 | 54.4 | 54.5 | 54.5 | 54.5 | 54.5 | 54.6 | 54.7 | 54.7 |
| 12000 | 42.0 | 52.1 | 54.5 | 55.3 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.8 | 55.8 | 55.8 | 55.9 | 55.9 | 56.0 | 56.0 |
| 10000 | 44.4 | 55.6 | 58.3 | 59.7 | 60.0 | 60.0 | 60.2 | 60.2 | 60.2 | 60.3 | 60.3 | 60.3 | 60.3 | 60.4 | 60.5 | 60.5 |
| 9000 | 44.3 | 56.1 | 58.9 | 60.2 | 60.5 | 60.6 | 60.7 | 60.7 | 60.7 | 60.8 | 60.8 | 60.8 | 60.9 | 60.9 | 61.0 | 61.0 |
| 8000 | 47.4 | 60.0 | 63.0 | 64.5 | 64.9 | 64.9 | 65.1 | 65.1 | 65.1 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 | 65.4 | 65.4 |
| 7000 | 49.7 | 61.2 | 64.3 | 65.9 | 66.3 | 66.3 | 66.5 | 66.5 | 66.5 | 66.6 | 66.6 | 66.6 | 66.7 | 66.7 | 66.8 | 66.8 |
| 6000 | 49.4 | 63.3 | 66.4 | 68.1 | 68.6 | 68.6 | 68.8 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 | 69.0 | 69.0 | 69.1 | 69.1 |
| 5000 | 52.3 | 68.0 | 71.6 | 73.3 | 74.0 | 74.0 | 74.2 | 74.2 | 74.2 | 74.3 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 |
| 4500 | 52.9 | 69.1 | 72.8 | 74.6 | 75.3 | 75.4 | 75.5 | 75.6 | 75.6 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 | 75.9 | 75.9 |
| 4000 | 54.4 | 71.9 | 75.9 | 77.9 | 78.7 | 78.8 | 79.0 | 79.1 | 79.1 | 79.2 | 79.3 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 |
| 3500 | 55.6 | 74.0 | 78.3 | 80.4 | 81.3 | 81.3 | 81.6 | 81.6 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.9 | 82.0 | 82.0 |
| 3000 | 57.2 | 76.7 | 81.2 | 83.6 | 84.6 | 84.7 | 84.9 | 85.0 | 85.0 | 85.1 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 |
| 2500 | 59.1 | 78.5 | 83.3 | 86.0 | 87.2 | 87.3 | 87.6 | 87.7 | 87.7 | 87.9 | 87.9 | 87.9 | 88.0 | 88.0 | 88.1 | 88.1 |
| 2000 | 59.9 | 80.3 | 85.4 | 88.2 | 89.6 | 89.8 | 90.1 | 90.3 | 90.3 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 |
| 1800 | 59.7 | 80.5 | 85.6 | 88.5 | 89.9 | 90.0 | 90.4 | 90.5 | 90.5 | 90.7 | 90.7 | 90.7 | 90.8 | 90.8 | 90.9 | 90.9 |
| 1500 | 59.9 | 81.8 | 87.0 | 90.0 | 91.6 | 91.8 | 92.2 | 92.4 | 92.4 | 92.5 | 92.6 | 92.6 | 92.6 | 92.7 | 92.8 | 92.8 |
| 1200 | 60.2 | 82.4 | 87.8 | 90.9 | 92.6 | 92.8 | 93.2 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.8 | 93.8 |
| 1000 | 60.3 | 83.1 | 88.6 | 91.9 | 93.9 | 94.0 | 94.6 | 94.8 | 94.8 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.2 | 95.2 |
| 900 | 60.3 | 83.4 | 89.0 | 92.3 | 94.4 | 94.6 | 95.1 | 95.3 | 95.3 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.8 | 95.8 |
| 800 | 60.4 | 83.6 | 89.3 | 92.9 | 95.1 | 95.3 | 95.9 | 96.1 | 96.1 | 96.3 | 96.4 | 96.4 | 96.4 | 96.5 | 96.6 | 96.6 |
| 700 | 60.4 | 83.8 | 89.6 | 93.2 | 95.4 | 95.7 | 96.4 | 96.6 | 96.6 | 96.9 | 97.2 | 97.3 | 97.3 | 97.4 | 97.5 | 97.5 |
| 600 | 60.4 | 83.8 | 89.7 | 93.3 | 95.6 | 95.9 | 96.6 | 96.9 | 96.9 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4 | 97.5 | 97.5 |
| 500 | 60.4 | 84.0 | 90.0 | 93.7 | 96.2 | 96.5 | 97.3 | 97.6 | 97.6 | 98.0 | 98.0 | 98.0 | 98.1 | 98.2 | 98.3 | 98.3 |
| 400 | 60.4 | 84.0 | 90.1 | 93.9 | 96.6 | 96.9 | 97.7 | 98.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.9 | 98.9 |
| 300 | 60.4 | 84.0 | 90.2 | 94.0 | 96.8 | 97.2 | 98.1 | 98.6 | 98.7 | 99.2 | 99.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 |
| 200 | 60.4 | 84.0 | 90.2 | 94.0 | 96.8 | 97.2 | 98.1 | 98.6 | 98.7 | 99.2 | 99.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 |
| 100 | 60.4 | 84.0 | 90.2 | 94.0 | 96.8 | 97.2 | 98.1 | 98.6 | 98.7 | 99.2 | 99.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 |
| 0 | 60.4 | 84.0 | 90.2 | 94.0 | 96.8 | 97.2 | 98.1 | 98.6 | 98.7 | 99.2 | 99.3 | 99.3 | 99.5 | 99.6 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7206

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WFO227
STATION

WATERTOWN NY
STATION NAME

74-83
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-0200
SUN

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|--------|------|-------|------|-------|------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.25 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ 0 |
| NO CEILING | 43.7 | 53.3 | 55.3 | 55.8 | 56.9 | 57.1 | 57.7 | 58.0 | 58.0 | 58.7 | 58.8 | 58.8 | 58.9 | 58.9 | 59.0 | 59.3 |
| ≥ 20000 | 45.3 | 55.9 | 58.7 | 59.4 | 60.5 | 60.6 | 61.3 | 61.6 | 61.6 | 62.3 | 62.4 | 62.4 | 62.5 | 62.5 | 62.6 | 62.9 |
| ≥ 18000 | 45.3 | 55.9 | 58.7 | 59.4 | 60.5 | 60.6 | 61.3 | 61.6 | 61.6 | 62.3 | 62.4 | 62.4 | 62.5 | 62.5 | 62.6 | 62.9 |
| ≥ 16000 | 45.3 | 55.9 | 58.7 | 59.4 | 60.5 | 60.6 | 61.3 | 61.6 | 61.6 | 62.3 | 62.4 | 62.4 | 62.5 | 62.5 | 62.6 | 62.9 |
| ≥ 14000 | 45.3 | 56.1 | 58.8 | 59.5 | 60.6 | 60.8 | 61.4 | 61.8 | 61.8 | 62.4 | 62.5 | 62.5 | 62.6 | 62.6 | 62.7 | 63.0 |
| ≥ 12000 | 45.3 | 57.3 | 60.1 | 61.1 | 62.3 | 62.4 | 63.0 | 63.4 | 63.4 | 64.0 | 64.1 | 64.1 | 64.2 | 64.2 | 64.4 | 64.6 |
| ≥ 10000 | 47.3 | 59.5 | 62.4 | 63.4 | 64.6 | 64.7 | 65.5 | 65.8 | 65.8 | 66.5 | 66.6 | 66.6 | 66.7 | 66.7 | 66.8 | 67.1 |
| ≥ 9000 | 47.5 | 59.8 | 62.6 | 63.6 | 64.9 | 65.0 | 65.7 | 66.1 | 66.1 | 66.7 | 66.8 | 66.8 | 67.0 | 67.0 | 67.1 | 67.3 |
| ≥ 8000 | 49.8 | 64.0 | 67.0 | 68.1 | 69.4 | 69.6 | 70.4 | 70.8 | 70.8 | 71.5 | 71.7 | 71.7 | 71.8 | 71.8 | 71.9 | 72.2 |
| ≥ 7000 | 50.1 | 64.4 | 67.3 | 68.4 | 69.8 | 69.9 | 70.8 | 71.2 | 71.2 | 71.9 | 72.0 | 72.0 | 72.2 | 72.2 | 72.3 | 72.5 |
| ≥ 6000 | 50.7 | 66.6 | 69.7 | 71.2 | 72.5 | 72.6 | 73.5 | 73.9 | 73.9 | 74.6 | 74.8 | 74.8 | 74.9 | 74.9 | 75.0 | 75.2 |
| ≥ 5000 | 53.2 | 70.3 | 73.6 | 75.1 | 77.0 | 77.1 | 78.0 | 78.3 | 78.3 | 79.1 | 79.2 | 79.2 | 79.3 | 79.3 | 79.5 | 79.7 |
| ≥ 4500 | 54.5 | 72.2 | 75.7 | 77.2 | 79.1 | 79.2 | 80.1 | 80.4 | 80.4 | 81.2 | 81.3 | 81.3 | 81.4 | 81.4 | 81.6 | 81.8 |
| ≥ 4000 | 55.4 | 74.1 | 78.1 | 79.6 | 81.8 | 81.9 | 82.8 | 83.2 | 83.2 | 83.9 | 84.0 | 84.0 | 84.2 | 84.2 | 84.3 | 84.5 |
| ≥ 3500 | 56.6 | 76.6 | 80.6 | 82.1 | 84.3 | 84.4 | 85.3 | 85.6 | 85.6 | 86.4 | 86.5 | 86.5 | 86.6 | 86.6 | 86.8 | 87.0 |
| ≥ 3000 | 57.8 | 79.1 | 83.3 | 85.0 | 87.3 | 87.4 | 88.2 | 88.6 | 88.6 | 89.4 | 89.5 | 89.5 | 89.6 | 89.6 | 89.7 | 90.0 |
| ≥ 2500 | 59.7 | 80.1 | 84.3 | 86.0 | 88.4 | 88.5 | 89.5 | 89.9 | 89.9 | 90.6 | 90.7 | 90.7 | 90.8 | 90.8 | 91.0 | 91.2 |
| ≥ 2000 | 59.7 | 81.2 | 85.6 | 87.6 | 90.1 | 90.2 | 91.2 | 91.6 | 91.6 | 92.3 | 92.5 | 92.5 | 92.6 | 92.6 | 92.7 | 92.9 |
| ≥ 1800 | 59.8 | 81.6 | 86.4 | 88.4 | 91.2 | 91.3 | 92.3 | 92.7 | 92.7 | 93.4 | 93.6 | 93.6 | 93.7 | 93.7 | 93.8 | 94.1 |
| ≥ 1500 | 59.9 | 82.2 | 87.3 | 89.5 | 92.6 | 92.7 | 93.7 | 94.1 | 94.1 | 94.8 | 94.9 | 94.9 | 95.0 | 95.0 | 95.2 | 95.4 |
| ≥ 1200 | 59.9 | 82.4 | 87.9 | 90.5 | 93.6 | 93.7 | 95.0 | 95.4 | 95.4 | 96.2 | 96.3 | 96.3 | 96.4 | 96.4 | 96.5 | 96.8 |
| ≥ 1000 | 59.9 | 82.5 | 88.1 | 90.7 | 93.9 | 94.1 | 95.4 | 95.8 | 95.8 | 96.5 | 96.7 | 96.7 | 96.8 | 96.8 | 96.9 | 97.2 |
| ≥ 900 | 59.9 | 82.5 | 89.1 | 90.7 | 93.9 | 94.1 | 95.4 | 95.8 | 95.8 | 96.5 | 96.7 | 96.7 | 96.8 | 96.8 | 96.9 | 97.2 |
| ≥ 800 | 59.9 | 82.7 | 88.4 | 91.0 | 94.3 | 94.6 | 96.0 | 96.4 | 96.4 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.5 | 97.8 |
| ≥ 700 | 59.9 | 82.7 | 88.4 | 91.0 | 94.4 | 94.7 | 96.2 | 96.7 | 96.7 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 | 97.8 | 98.0 |
| ≥ 600 | 59.0 | 83.0 | 88.7 | 91.5 | 94.9 | 95.2 | 96.7 | 97.2 | 97.2 | 97.9 | 98.0 | 98.0 | 98.1 | 98.1 | 98.3 | 98.5 |
| ≥ 500 | 59.0 | 83.0 | 88.7 | 91.5 | 94.9 | 95.2 | 96.8 | 97.3 | 97.3 | 98.0 | 98.3 | 98.3 | 98.4 | 98.4 | 98.5 | 98.8 |
| ≥ 400 | 59.0 | 83.0 | 88.7 | 91.5 | 94.9 | 95.2 | 96.9 | 97.4 | 97.4 | 98.1 | 98.4 | 98.4 | 98.5 | 98.5 | 98.9 | 99.1 |
| ≥ 300 | 59.0 | 83.0 | 88.7 | 91.5 | 94.9 | 95.2 | 96.9 | 97.4 | 97.4 | 98.1 | 98.4 | 98.4 | 98.5 | 98.6 | 98.9 | 99.1 |
| ≥ 200 | 59.0 | 83.0 | 88.7 | 91.5 | 94.9 | 95.2 | 96.9 | 97.4 | 97.4 | 98.1 | 98.4 | 98.4 | 98.9 | 99.0 | 99.3 | 99.5 |
| ≥ 100 | 59.0 | 83.0 | 88.7 | 91.5 | 94.9 | 95.2 | 96.9 | 97.4 | 97.4 | 98.1 | 98.4 | 98.4 | 99.0 | 99.1 | 99.4 | 99.8 |
| ≥ 0 | 59.0 | 83.2 | 88.9 | 91.6 | 95.0 | 95.3 | 97.0 | 97.5 | 97.5 | 98.3 | 98.5 | 98.5 | 99.1 | 99.3 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 826

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72027
STATION

ATERTOWN NY

STATION NAME

74-83

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1.5 | ≥1.4 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 30.3 | 45.7 | 47.6 | 48.9 | 51.0 | 51.3 | 52.1 | 52.3 | 52.3 | 52.7 | 52.9 | 52.9 | 53.2 | 53.2 | 53.6 | 53.6 |
| ≥20000 | 42.9 | 49.4 | 51.4 | 52.7 | 54.8 | 55.1 | 56.1 | 56.2 | 56.2 | 56.7 | 56.8 | 56.8 | 57.2 | 57.2 | 57.5 | 57.5 |
| ≥18000 | 42.9 | 49.4 | 51.4 | 52.7 | 54.8 | 55.1 | 56.1 | 56.2 | 56.2 | 56.7 | 56.8 | 56.8 | 57.2 | 57.2 | 57.5 | 57.5 |
| ≥16000 | 42.9 | 49.4 | 51.4 | 52.7 | 54.8 | 55.1 | 56.1 | 56.2 | 56.2 | 56.7 | 56.8 | 56.8 | 57.2 | 57.2 | 57.5 | 57.5 |
| ≥14000 | 41.3 | 49.9 | 51.9 | 53.2 | 55.3 | 55.6 | 56.6 | 56.7 | 56.7 | 57.2 | 57.3 | 57.3 | 57.6 | 57.6 | 58.0 | 58.0 |
| ≥12000 | 41.3 | 51.1 | 53.5 | 54.9 | 56.9 | 57.3 | 58.2 | 58.4 | 58.4 | 58.8 | 58.9 | 58.9 | 59.3 | 59.3 | 59.7 | 59.7 |
| ≥10000 | 43.9 | 53.8 | 56.6 | 58.0 | 60.3 | 60.6 | 61.7 | 61.8 | 61.8 | 62.3 | 62.4 | 62.4 | 62.8 | 62.8 | 63.1 | 63.1 |
| ≥9000 | 43.9 | 53.9 | 56.7 | 58.1 | 60.4 | 60.7 | 61.8 | 61.9 | 61.9 | 62.4 | 62.5 | 62.5 | 62.9 | 62.9 | 63.2 | 63.2 |
| ≥8000 | 45.7 | 56.0 | 58.9 | 60.7 | 63.1 | 63.5 | 64.6 | 64.8 | 64.8 | 65.4 | 65.5 | 65.5 | 66.0 | 66.0 | 66.3 | 66.3 |
| ≥7000 | 45.7 | 56.4 | 59.4 | 61.2 | 63.6 | 64.0 | 65.0 | 65.3 | 65.3 | 65.9 | 66.0 | 66.0 | 66.5 | 66.5 | 66.8 | 66.8 |
| ≥6000 | 45.7 | 57.9 | 60.9 | 62.6 | 65.0 | 65.4 | 66.6 | 66.8 | 66.8 | 67.4 | 67.5 | 67.5 | 68.0 | 68.0 | 68.4 | 68.4 |
| ≥5000 | 47.3 | 60.3 | 63.6 | 66.0 | 69.2 | 69.7 | 70.9 | 71.1 | 71.1 | 71.7 | 71.8 | 71.8 | 72.3 | 72.3 | 72.7 | 72.7 |
| ≥4500 | 47.9 | 61.3 | 64.7 | 67.1 | 70.4 | 70.9 | 72.1 | 72.3 | 72.3 | 72.9 | 73.0 | 73.0 | 73.5 | 73.5 | 73.9 | 73.9 |
| ≥4000 | 49.4 | 64.0 | 67.5 | 70.0 | 73.6 | 74.1 | 75.5 | 75.8 | 75.8 | 76.4 | 76.5 | 76.5 | 77.0 | 77.0 | 77.3 | 77.3 |
| ≥3500 | 50.2 | 66.7 | 70.4 | 73.0 | 76.7 | 77.2 | 78.6 | 78.9 | 78.9 | 79.5 | 79.6 | 79.6 | 80.1 | 80.1 | 80.4 | 80.4 |
| ≥3000 | 51.1 | 69.7 | 73.6 | 76.3 | 80.1 | 80.5 | 82.0 | 82.2 | 82.2 | 82.8 | 82.9 | 82.9 | 83.4 | 83.4 | 83.8 | 83.8 |
| ≥2500 | 51.6 | 70.8 | 74.9 | 77.7 | 82.0 | 82.5 | 83.9 | 84.2 | 84.2 | 84.8 | 85.0 | 85.0 | 85.4 | 85.4 | 85.8 | 85.8 |
| ≥2000 | 52.3 | 72.4 | 77.0 | 80.0 | 84.2 | 84.7 | 86.4 | 86.8 | 86.8 | 87.4 | 87.5 | 87.5 | 87.9 | 87.9 | 88.3 | 88.3 |
| ≥1800 | 52.5 | 72.9 | 77.4 | 80.4 | 84.7 | 85.2 | 86.9 | 87.2 | 87.2 | 87.8 | 87.9 | 87.9 | 88.4 | 88.4 | 88.8 | 88.8 |
| ≥1500 | 52.9 | 73.7 | 78.9 | 81.9 | 86.4 | 87.0 | 88.7 | 89.0 | 89.0 | 89.6 | 89.7 | 89.7 | 90.2 | 90.2 | 90.6 | 90.6 |
| ≥1200 | 53.2 | 74.6 | 80.2 | 83.2 | 87.9 | 88.5 | 90.5 | 90.9 | 90.9 | 91.6 | 91.8 | 91.8 | 92.2 | 92.2 | 92.6 | 92.6 |
| ≥1000 | 53.5 | 74.9 | 80.9 | 84.1 | 89.4 | 90.0 | 91.9 | 92.4 | 92.4 | 93.2 | 93.3 | 93.3 | 93.8 | 93.8 | 94.2 | 94.2 |
| ≥900 | 53.5 | 74.9 | 81.0 | 84.2 | 89.7 | 90.3 | 92.2 | 92.7 | 92.7 | 93.6 | 93.7 | 93.7 | 94.2 | 94.2 | 94.5 | 94.5 |
| ≥800 | 53.6 | 75.2 | 81.4 | 84.6 | 90.5 | 91.2 | 93.2 | 93.8 | 93.8 | 94.6 | 94.7 | 94.7 | 95.2 | 95.2 | 95.6 | 95.6 |
| ≥700 | 53.6 | 75.2 | 81.5 | 85.0 | 90.8 | 91.5 | 93.6 | 94.3 | 94.4 | 95.2 | 95.3 | 95.3 | 95.8 | 95.8 | 96.2 | 96.2 |
| ≥600 | 53.6 | 75.3 | 81.7 | 85.4 | 91.3 | 92.0 | 94.0 | 94.7 | 94.9 | 95.7 | 95.8 | 95.8 | 96.3 | 96.3 | 96.7 | 96.7 |
| ≥500 | 53.6 | 75.4 | 81.9 | 85.7 | 91.5 | 92.2 | 94.5 | 95.3 | 95.5 | 96.7 | 96.8 | 96.8 | 97.3 | 97.3 | 97.6 | 97.6 |
| ≥400 | 53.6 | 75.4 | 81.9 | 85.8 | 91.6 | 92.4 | 94.6 | 95.5 | 95.7 | 97.0 | 97.1 | 97.1 | 97.6 | 97.6 | 98.0 | 98.0 |
| ≥300 | 53.6 | 75.4 | 81.9 | 85.9 | 91.8 | 92.5 | 94.9 | 95.7 | 96.1 | 97.4 | 97.6 | 97.6 | 98.2 | 98.2 | 98.8 | 98.8 |
| ≥200 | 53.6 | 75.4 | 81.9 | 85.9 | 91.9 | 92.6 | 95.0 | 95.9 | 96.3 | 97.6 | 97.9 | 97.9 | 98.8 | 98.9 | 99.5 | 99.5 |
| ≥100 | 53.6 | 75.4 | 81.9 | 85.9 | 91.9 | 92.6 | 95.0 | 95.9 | 96.3 | 97.6 | 97.9 | 97.9 | 98.8 | 98.9 | 99.9 | 100.0 |
| ≥0 | 53.6 | 75.4 | 81.9 | 85.9 | 91.9 | 92.6 | 95.0 | 95.9 | 96.3 | 97.6 | 97.9 | 97.9 | 98.8 | 98.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 838

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72227
STATION

WATERTOWN NY
STATION NAME

74-83
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0600
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1.4 | ≥1 | ≥.9 | ≥.8 | ≥.7 | ≥.6 | ≥.5 | ≥.4 |
| NO CEILING ≥ 20000 | 31.6 | 38.4 | 47.9 | 43.4 | 45.8 | 46.0 | 46.0 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 |
| ≥ 18000 | 34.6 | 42.4 | 45.2 | 47.9 | 50.2 | 50.7 | 50.8 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| ≥ 16000 | 34.6 | 42.4 | 45.2 | 47.9 | 50.2 | 50.7 | 50.8 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| ≥ 14000 | 34.6 | 42.9 | 45.8 | 48.4 | 50.8 | 51.2 | 51.3 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| ≥ 12000 | 35.7 | 44.3 | 47.3 | 50.4 | 53.0 | 53.4 | 53.6 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| ≥ 10000 | 37.3 | 47.2 | 50.6 | 54.0 | 57.1 | 57.6 | 57.8 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 |
| ≥ 9000 | 37.7 | 47.6 | 50.9 | 54.3 | 57.4 | 57.9 | 58.1 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| ≥ 8000 | 38.7 | 49.3 | 53.1 | 57.0 | 60.3 | 60.8 | 61.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| ≥ 7000 | 39.4 | 50.6 | 54.6 | 58.7 | 62.0 | 62.4 | 62.9 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| ≥ 6000 | 40.1 | 51.4 | 55.6 | 59.8 | 63.3 | 63.8 | 64.2 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| ≥ 5000 | 41.4 | 53.6 | 57.8 | 62.4 | 66.3 | 66.8 | 67.3 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| ≥ 4500 | 41.9 | 54.1 | 58.3 | 63.2 | 67.2 | 67.7 | 68.3 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| ≥ 4000 | 44.2 | 57.4 | 62.3 | 68.1 | 72.3 | 72.8 | 73.6 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| ≥ 3500 | 44.9 | 58.8 | 64.0 | 70.0 | 74.3 | 74.8 | 75.6 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| ≥ 3000 | 45.6 | 60.1 | 65.7 | 72.1 | 76.9 | 77.3 | 78.1 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| ≥ 2500 | 46.4 | 61.8 | 67.7 | 74.4 | 79.8 | 80.2 | 81.1 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| ≥ 2000 | 47.6 | 63.6 | 70.2 | 77.4 | 83.4 | 83.9 | 84.8 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 1800 | 47.6 | 63.7 | 70.3 | 77.6 | 83.7 | 84.1 | 85.0 | 85.4 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| ≥ 1500 | 49.3 | 66.3 | 73.2 | 80.6 | 86.8 | 87.2 | 88.1 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 1200 | 49.9 | 67.8 | 74.7 | 82.1 | 88.6 | 89.0 | 89.9 | 90.3 | 90.4 | 90.4 | 90.6 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 1000 | 50.4 | 68.9 | 75.9 | 83.6 | 90.4 | 91.0 | 92.0 | 92.7 | 92.8 | 92.8 | 92.9 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 900 | 50.7 | 69.2 | 76.2 | 84.0 | 90.9 | 91.4 | 92.4 | 93.1 | 93.2 | 93.2 | 93.3 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 800 | 50.9 | 69.4 | 76.4 | 84.4 | 91.6 | 92.2 | 93.3 | 94.2 | 94.4 | 94.4 | 94.6 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 700 | 50.9 | 69.4 | 76.6 | 84.8 | 92.0 | 92.8 | 93.9 | 94.8 | 95.0 | 95.0 | 95.1 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 600 | 50.9 | 69.6 | 76.7 | 85.0 | 92.2 | 93.0 | 94.2 | 95.1 | 95.3 | 95.3 | 95.4 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 500 | 50.8 | 69.9 | 77.1 | 85.6 | 93.0 | 93.9 | 95.2 | 96.3 | 96.6 | 96.7 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 400 | 50.8 | 70.0 | 77.3 | 85.8 | 93.3 | 94.3 | 95.9 | 97.1 | 97.4 | 97.7 | 97.9 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 300 | 50.8 | 70.0 | 77.4 | 86.1 | 93.7 | 94.7 | 96.4 | 97.9 | 98.2 | 98.9 | 99.1 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 200 | 50.8 | 70.0 | 77.4 | 86.1 | 93.7 | 94.7 | 96.4 | 97.9 | 98.2 | 99.0 | 99.2 | 99.3 | 99.8 | 99.9 | 100.0 | 100.0 |
| ≥ 100 | 50.8 | 70.0 | 77.4 | 86.1 | 93.7 | 94.7 | 96.4 | 97.9 | 98.2 | 99.0 | 99.2 | 99.3 | 99.8 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 50.8 | 70.0 | 77.4 | 86.1 | 93.7 | 94.7 | 96.4 | 97.9 | 98.2 | 99.0 | 99.2 | 99.3 | 99.8 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH
 WAFETAC
 AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227
 STATION

AIRPORT NY

STATION NAME

74-83

YEARS

JULY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

250-1100
 HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING | 32.7 | 36.9 | 41.5 | 44.2 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| ≥ 20000 | 35.2 | 43.0 | 45.8 | 48.7 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| ≥ 18000 | 36.2 | 43.0 | 45.8 | 48.7 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| ≥ 16000 | 36.2 | 43.0 | 45.8 | 48.7 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| ≥ 14000 | 37.1 | 43.9 | 46.8 | 49.7 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| ≥ 12000 | 37.4 | 44.2 | 47.1 | 50.1 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| ≥ 10000 | 39.8 | 47.7 | 50.6 | 53.6 | 55.4 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| ≥ 9000 | 39.8 | 47.7 | 50.6 | 53.6 | 55.4 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| ≥ 8000 | 41.1 | 51.1 | 54.2 | 57.7 | 59.4 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| ≥ 7000 | 41.6 | 51.7 | 54.9 | 58.4 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| ≥ 6000 | 42.7 | 53.1 | 56.3 | 60.3 | 62.4 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 5000 | 43.6 | 54.8 | 58.4 | 62.9 | 65.3 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| ≥ 4500 | 43.6 | 55.8 | 59.4 | 63.9 | 66.4 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| ≥ 4000 | 44.4 | 57.8 | 61.9 | 66.6 | 69.3 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| ≥ 3500 | 45.0 | 59.1 | 63.6 | 68.3 | 71.2 | 71.9 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| ≥ 3000 | 45.3 | 60.3 | 65.0 | 69.8 | 73.0 | 73.7 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| ≥ 2500 | 47.7 | 62.7 | 68.1 | 73.0 | 76.8 | 77.4 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| ≥ 2000 | 49.3 | 65.9 | 71.4 | 76.7 | 80.6 | 81.3 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥ 1800 | 49.7 | 66.3 | 72.1 | 77.3 | 81.2 | 82.0 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| ≥ 1500 | 51.7 | 69.1 | 75.3 | 80.9 | 84.9 | 85.7 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| ≥ 1200 | 52.7 | 71.4 | 78.7 | 83.9 | 88.2 | 89.0 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 1000 | 53.3 | 72.8 | 80.1 | 86.1 | 90.9 | 91.7 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 900 | 53.3 | 72.9 | 80.4 | 86.7 | 91.4 | 92.2 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 800 | 53.3 | 73.0 | 80.6 | 86.9 | 91.8 | 92.6 | 93.4 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 700 | 53.7 | 73.6 | 81.2 | 87.7 | 93.1 | 94.1 | 94.9 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 600 | 53.7 | 73.7 | 81.7 | 88.1 | 93.6 | 94.7 | 95.7 | 96.2 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 500 | 53.7 | 74.1 | 82.3 | 89.1 | 94.7 | 95.9 | 97.0 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 400 | 53.7 | 74.2 | 82.4 | 89.2 | 95.1 | 96.3 | 97.8 | 98.7 | 98.7 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 300 | 53.7 | 74.2 | 82.7 | 89.6 | 95.4 | 96.7 | 98.1 | 99.0 | 99.0 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 200 | 53.7 | 74.2 | 82.7 | 89.6 | 95.4 | 96.7 | 98.1 | 99.1 | 99.1 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 53.7 | 74.2 | 82.7 | 89.6 | 95.4 | 96.7 | 98.1 | 99.1 | 99.1 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 53.7 | 74.2 | 82.7 | 89.6 | 95.4 | 96.7 | 98.1 | 99.1 | 99.1 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

70-227
STATION

WATERTOWN NY
STATION NAME

74-83
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 51.7 | 37.7 | 47.3 | 43.8 | 45.9 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| ≥ 20000 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 18000 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 16000 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 14000 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 12000 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 10000 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 9000 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 8000 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 7000 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 6000 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 5000 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 4500 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 4000 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 3500 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 3000 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 2500 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 2000 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 1800 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 1500 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 1200 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 1000 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 900 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 800 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 700 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 600 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 500 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 400 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 300 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 200 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 100 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 0 | 35.1 | 42.2 | 45.4 | 49.6 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |

TOTAL NUMBER OF OBSERVATIONS 92

L. RAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-247

ATERTOWN NY

74-83

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-2-1700

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|-------|------|-------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ .01 | ≥ 0 |
| NO CEILING | 32.9 | 33.9 | 42.4 | 45.2 | 44.3 | 48.5 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| ≥ 20000 | 32.9 | 45.5 | 49.9 | 53.8 | 56.7 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| ≥ 18000 | 32.9 | 45.5 | 49.9 | 53.8 | 56.7 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| ≥ 16000 | 32.9 | 45.5 | 49.9 | 53.8 | 56.7 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| ≥ 14000 | 32.9 | 45.5 | 49.9 | 53.8 | 56.7 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| ≥ 12000 | 40.3 | 47.7 | 52.2 | 56.1 | 58.2 | 58.6 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| ≥ 10000 | 42.3 | 50.6 | 55.2 | 59.2 | 61.4 | 61.8 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| ≥ 9000 | 42.3 | 50.6 | 55.2 | 59.2 | 61.4 | 61.8 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| ≥ 8000 | 44.4 | 54.6 | 60.2 | 65.0 | 67.4 | 67.9 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| ≥ 7000 | 44.4 | 54.6 | 60.2 | 65.0 | 67.4 | 67.9 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| ≥ 6000 | 44.4 | 54.6 | 60.2 | 65.0 | 67.4 | 67.9 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| ≥ 5000 | 44.4 | 54.6 | 60.2 | 65.0 | 67.4 | 67.9 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| ≥ 4500 | 44.4 | 54.6 | 60.2 | 65.0 | 67.4 | 67.9 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| ≥ 4000 | 44.4 | 54.6 | 60.2 | 65.0 | 67.4 | 67.9 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| ≥ 3500 | 53.5 | 67.1 | 73.7 | 79.9 | 83.4 | 83.9 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| ≥ 3000 | 53.5 | 67.1 | 73.7 | 79.9 | 83.4 | 83.9 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| ≥ 2500 | 55.5 | 70.3 | 77.3 | 84.1 | 88.3 | 89.0 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| ≥ 2000 | 56.3 | 71.4 | 79.4 | 86.3 | 90.7 | 91.3 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 1800 | 56.3 | 71.4 | 79.4 | 86.3 | 90.7 | 91.3 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 1600 | 56.3 | 71.4 | 79.4 | 86.3 | 90.7 | 91.3 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 1400 | 56.3 | 71.4 | 79.4 | 86.3 | 90.7 | 91.3 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 1200 | 57.2 | 73.7 | 82.6 | 89.9 | 94.7 | 95.3 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 1000 | 57.3 | 74.2 | 83.4 | 90.7 | 95.7 | 96.3 | 96.8 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 900 | 57.3 | 74.2 | 83.4 | 90.7 | 95.7 | 96.3 | 96.8 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 800 | 57.3 | 74.2 | 83.4 | 90.7 | 95.7 | 96.3 | 96.8 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 700 | 57.5 | 74.5 | 84.1 | 91.4 | 96.7 | 97.3 | 97.8 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 600 | 57.5 | 74.5 | 84.1 | 91.4 | 96.7 | 97.3 | 97.8 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 500 | 57.5 | 74.5 | 84.1 | 91.4 | 96.7 | 97.3 | 97.8 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 400 | 57.5 | 74.5 | 84.1 | 91.4 | 96.7 | 97.3 | 97.8 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 300 | 57.5 | 74.5 | 84.1 | 91.4 | 96.7 | 97.3 | 97.8 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 200 | 57.5 | 74.5 | 84.1 | 91.4 | 96.7 | 97.3 | 97.8 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 100 | 57.5 | 74.5 | 84.1 | 91.4 | 96.7 | 97.3 | 97.8 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 0 | 57.5 | 74.5 | 84.1 | 91.4 | 96.7 | 97.3 | 97.8 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |

TOTAL NUMBER OF OBSERVATIONS 899

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227
STATION

WATERTOWN NY
STATION NAME

74-83
YEARS

1960-1979
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1960-1979
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0 |
| NO CEILING | 33.1 | 44.8 | 46.9 | 50.6 | 52.3 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| ≥ 20000 | 41.3 | 49.4 | 51.7 | 55.6 | 57.9 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| ≥ 18000 | 41.3 | 49.4 | 51.7 | 55.6 | 57.9 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| ≥ 16000 | 41.3 | 49.4 | 51.7 | 55.6 | 57.9 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| ≥ 14000 | 42.4 | 51.4 | 52.7 | 56.6 | 58.9 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 |
| ≥ 12000 | 43.7 | 52.0 | 54.3 | 58.2 | 60.6 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| ≥ 10000 | 44.9 | 54.7 | 57.1 | 61.2 | 63.7 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| ≥ 9000 | 44.9 | 54.8 | 57.3 | 61.4 | 63.9 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| ≥ 8000 | 46.3 | 58.3 | 61.1 | 65.4 | 68.1 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| ≥ 7000 | 47.4 | 59.6 | 62.7 | 67.0 | 69.7 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| ≥ 6000 | 49.6 | 61.2 | 64.9 | 69.3 | 72.2 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| ≥ 5000 | 52.3 | 66.0 | 69.9 | 74.6 | 77.4 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| ≥ 4500 | 53.3 | 68.0 | 72.1 | 76.9 | 79.8 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| ≥ 4000 | 56.3 | 71.6 | 75.9 | 81.4 | 84.6 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| ≥ 3500 | 57.0 | 73.6 | 77.9 | 83.8 | 87.0 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| ≥ 3000 | 57.4 | 74.7 | 79.3 | 85.3 | 88.9 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥ 2500 | 57.4 | 75.8 | 80.8 | 86.8 | 91.0 | 91.4 | 91.9 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 2000 | 57.6 | 76.8 | 82.2 | 88.6 | 92.9 | 93.3 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 1800 | 57.6 | 76.9 | 82.3 | 88.7 | 93.7 | 93.4 | 94.0 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 1500 | 59.0 | 77.7 | 83.2 | 89.8 | 94.1 | 94.7 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 1200 | 59.0 | 78.0 | 83.6 | 90.1 | 94.4 | 95.1 | 96.0 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 1000 | 59.0 | 78.0 | 83.7 | 90.2 | 95.4 | 96.1 | 97.1 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 900 | 59.1 | 78.1 | 83.8 | 90.3 | 95.6 | 96.2 | 97.2 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 800 | 59.2 | 78.7 | 84.3 | 91.3 | 96.2 | 96.9 | 97.9 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 700 | 59.3 | 79.0 | 84.9 | 91.7 | 97.0 | 97.7 | 98.7 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 600 | 59.3 | 79.0 | 85.0 | 91.8 | 97.2 | 97.9 | 98.9 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 500 | 59.3 | 79.0 | 85.0 | 91.9 | 97.4 | 98.1 | 99.2 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 400 | 59.3 | 79.0 | 85.0 | 91.9 | 97.4 | 98.1 | 99.2 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 59.3 | 79.0 | 85.0 | 91.9 | 97.4 | 98.1 | 99.2 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 59.3 | 79.0 | 85.0 | 91.9 | 97.4 | 98.1 | 99.2 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 59.3 | 79.0 | 85.0 | 91.9 | 97.4 | 98.1 | 99.2 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0 | 59.3 | 79.0 | 85.0 | 91.9 | 97.4 | 98.1 | 99.2 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227
STATION

WATERTOWN NY

STATION NAME

74-63

YEAR

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-2300
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1.2 | ≥1 | ≥.8 | ≥.6 | ≥.5 | ≥.4 | ≥.3 | ≥.2 |
| NO CEILING | 47.1 | 50.0 | 51.5 | 53.9 | 55.7 | 55.8 | 56.1 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.3 | 56.3 | 56.3 |
| ≥ 20000 | 42.3 | 53.6 | 55.7 | 58.5 | 60.2 | 60.4 | 60.6 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.8 | 60.8 | 60.8 |
| ≥ 18000 | 42.3 | 53.6 | 55.7 | 58.5 | 60.2 | 60.4 | 60.6 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.8 | 60.8 | 60.8 |
| ≥ 16000 | 42.3 | 53.6 | 55.7 | 58.5 | 60.2 | 60.4 | 60.6 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.8 | 60.8 | 60.8 |
| ≥ 14000 | 42.4 | 53.9 | 56.1 | 58.8 | 60.7 | 60.8 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.3 | 61.3 | 61.3 |
| ≥ 12000 | 43.7 | 55.8 | 58.7 | 60.7 | 62.6 | 62.7 | 63.7 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 | 63.2 |
| ≥ 10000 | 45.2 | 58.8 | 61.0 | 63.8 | 65.8 | 66.2 | 66.4 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.7 | 66.7 | 66.7 |
| ≥ 9000 | 45.2 | 58.8 | 61.0 | 63.8 | 65.8 | 66.2 | 66.4 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.7 | 66.7 | 66.7 |
| ≥ 8000 | 46.5 | 62.5 | 64.9 | 67.7 | 70.4 | 70.7 | 71.7 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 |
| ≥ 7000 | 47.4 | 63.6 | 66.0 | 68.8 | 71.4 | 71.6 | 72.7 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.3 | 72.3 | 72.3 |
| ≥ 6000 | 49.3 | 66.1 | 68.6 | 71.4 | 74.7 | 74.4 | 74.6 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 |
| ≥ 5000 | 51.9 | 70.4 | 73.2 | 76.3 | 79.3 | 79.6 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 |
| ≥ 4500 | 52.5 | 71.0 | 73.9 | 77.1 | 80.1 | 80.5 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 81.0 | 81.0 | 81.0 |
| ≥ 4000 | 55.1 | 74.8 | 77.9 | 81.2 | 84.4 | 84.8 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 |
| ≥ 3500 | 55.7 | 76.1 | 79.3 | 82.7 | 86.2 | 86.5 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 |
| ≥ 3000 | 55.7 | 76.7 | 80.5 | 84.3 | 88.7 | 88.3 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 |
| ≥ 2500 | 56.2 | 78.1 | 83.0 | 87.0 | 91.1 | 91.4 | 91.7 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 |
| ≥ 2000 | 56.8 | 79.5 | 84.6 | 88.7 | 93.2 | 93.6 | 93.8 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.2 | 94.2 | 94.2 |
| ≥ 1800 | 57.7 | 80.2 | 85.6 | 89.6 | 94.3 | 94.6 | 95.3 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 |
| ≥ 1500 | 57.0 | 80.6 | 86.3 | 90.4 | 95.0 | 95.4 | 95.7 | 96.1 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 |
| ≥ 1200 | 57.7 | 81.1 | 87.1 | 91.2 | 96.7 | 96.3 | 96.7 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 |
| ≥ 1000 | 57.1 | 81.2 | 87.4 | 91.4 | 96.3 | 96.7 | 97.0 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 |
| ≥ 900 | 57.1 | 81.2 | 87.4 | 91.4 | 96.3 | 96.7 | 97.0 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 |
| ≥ 800 | 57.4 | 81.7 | 87.9 | 92.0 | 97.1 | 97.5 | 97.9 | 98.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 |
| ≥ 700 | 57.5 | 81.8 | 88.0 | 92.1 | 97.3 | 97.6 | 98.0 | 98.3 | 98.3 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 |
| ≥ 600 | 57.5 | 81.8 | 88.0 | 92.1 | 97.3 | 97.6 | 98.0 | 98.3 | 98.3 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 |
| ≥ 500 | 57.5 | 81.8 | 88.0 | 92.1 | 97.3 | 97.6 | 98.0 | 98.3 | 98.3 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 |
| ≥ 400 | 57.5 | 81.8 | 88.0 | 92.1 | 97.3 | 97.6 | 98.0 | 98.3 | 98.3 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 |
| ≥ 300 | 57.5 | 81.8 | 88.0 | 92.1 | 97.3 | 97.6 | 98.0 | 98.3 | 98.3 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 |
| ≥ 200 | 57.5 | 81.8 | 88.0 | 92.1 | 97.3 | 97.6 | 98.0 | 98.3 | 98.3 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 |
| ≥ 100 | 57.5 | 81.8 | 88.0 | 92.1 | 97.3 | 97.6 | 98.0 | 98.3 | 98.3 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 |
| ≥ 0 | 57.5 | 81.8 | 88.0 | 92.1 | 97.3 | 97.6 | 98.0 | 98.3 | 98.3 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 |

TOTAL NUMBER OF OBSERVATIONS 64

FEDERAL CLIMATOLOGY BRANCH
LAKEHIA
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
00227

STATION NAME
AIENTOWN, NY

YEARS
74-83

MONTH
JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

| CEILING FEET | VISIBILITY - STATUTE MILE* | | | | | | | | | | | | | | | |
|----------------------|----------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|-------|------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ 0 |
| NO CEILING ≥ 2000 | 38.7 | 43.2 | 45.6 | 48.2 | 50.1 | 50.3 | 50.5 | 50.6 | 50.6 | 50.7 | 50.8 | 50.8 | 50.8 | 50.8 | 50.9 | 50.9 |
| ≥ 1800 | 37.1 | 47.5 | 50.3 | 53.1 | 55.1 | 55.3 | 55.6 | 55.7 | 55.7 | 55.8 | 55.9 | 55.9 | 55.9 | 55.9 | 56.0 | 56.0 |
| ≥ 1600 | 37.1 | 47.9 | 50.3 | 53.1 | 55.1 | 55.3 | 55.6 | 55.7 | 55.7 | 55.8 | 55.9 | 55.9 | 55.9 | 55.9 | 56.0 | 56.0 |
| ≥ 1400 | 37.6 | 48.1 | 51.0 | 53.8 | 55.8 | 56.1 | 56.3 | 56.4 | 56.4 | 56.5 | 56.6 | 56.6 | 56.6 | 56.7 | 56.7 | 56.7 |
| ≥ 1200 | 40.2 | 49.3 | 52.3 | 55.2 | 57.2 | 57.5 | 57.7 | 57.8 | 57.8 | 58.0 | 58.0 | 58.0 | 58.1 | 58.1 | 58.1 | 58.2 |
| ≥ 1000 | 42.3 | 52.3 | 55.4 | 58.4 | 60.6 | 60.9 | 61.2 | 61.3 | 61.3 | 61.5 | 61.5 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 |
| ≥ 800 | 42.4 | 52.4 | 55.5 | 58.6 | 60.8 | 61.1 | 61.4 | 61.5 | 61.5 | 61.6 | 61.7 | 61.7 | 61.7 | 61.7 | 61.8 | 61.8 |
| ≥ 600 | 43.7 | 55.7 | 59.2 | 62.6 | 65.3 | 65.3 | 65.7 | 65.8 | 65.8 | 65.9 | 66.0 | 66.0 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥ 400 | 44.5 | 56.6 | 60.1 | 63.6 | 66.7 | 66.4 | 66.7 | 66.8 | 66.8 | 67.0 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.2 |
| ≥ 200 | 47.6 | 68.3 | 62.0 | 65.7 | 68.2 | 68.5 | 68.9 | 69.0 | 69.0 | 69.2 | 69.2 | 69.3 | 69.3 | 69.3 | 69.3 | 69.4 |
| ≥ 100 | 47.7 | 61.4 | 65.4 | 69.4 | 72.2 | 72.6 | 73.0 | 73.1 | 73.1 | 73.2 | 73.3 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 |
| ≥ 50 | 48.5 | 62.6 | 66.8 | 70.8 | 73.7 | 74.1 | 74.5 | 74.6 | 74.6 | 74.8 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 | 75.0 |
| ≥ 30 | 49.4 | 65.5 | 70.0 | 74.4 | 77.6 | 78.0 | 78.5 | 78.6 | 78.6 | 78.8 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 | 79.0 |
| ≥ 15 | 51.2 | 67.3 | 72.7 | 76.5 | 79.9 | 80.3 | 80.7 | 80.9 | 81.0 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| ≥ 7.5 | 52.1 | 69.0 | 74.1 | 78.8 | 82.4 | 82.9 | 83.4 | 83.5 | 83.5 | 83.7 | 83.7 | 83.7 | 83.8 | 83.8 | 83.9 | 83.9 |
| ≥ 3.75 | 52.9 | 70.7 | 76.1 | 81.1 | 85.1 | 85.6 | 86.2 | 86.4 | 86.4 | 86.5 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥ 1.875 | 53.2 | 72.4 | 78.2 | 83.5 | 87.7 | 88.2 | 88.8 | 89.0 | 89.0 | 89.2 | 89.2 | 89.2 | 89.3 | 89.3 | 89.4 | 89.4 |
| ≥ .9375 | 54.1 | 72.7 | 78.7 | 83.9 | 88.2 | 88.7 | 89.4 | 89.6 | 89.6 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 90.0 |
| ≥ .46875 | 54.7 | 74.1 | 80.5 | 85.9 | 90.4 | 90.9 | 91.7 | 91.9 | 91.9 | 92.1 | 92.1 | 92.1 | 92.2 | 92.2 | 92.3 | 92.3 |
| ≥ .234375 | 55.1 | 75.1 | 81.7 | 87.3 | 92.0 | 92.5 | 93.4 | 93.6 | 93.6 | 93.8 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.1 |
| ≥ .1171875 | 55.4 | 75.7 | 82.7 | 88.3 | 93.4 | 93.9 | 94.8 | 95.1 | 95.1 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.6 | 95.6 |
| ≥ .05859375 | 55.4 | 75.8 | 82.8 | 88.5 | 93.6 | 94.1 | 95.7 | 95.4 | 95.4 | 95.6 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.9 |
| ≥ .029296875 | 55.5 | 76.1 | 83.1 | 88.8 | 94.1 | 94.7 | 95.7 | 96.1 | 96.1 | 96.4 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.7 |
| ≥ .0146484375 | 55.6 | 76.2 | 83.3 | 89.2 | 94.7 | 95.3 | 96.3 | 96.8 | 96.8 | 97.1 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4 |
| ≥ .00732421875 | 55.6 | 76.3 | 83.5 | 89.4 | 94.9 | 95.6 | 96.6 | 97.1 | 97.2 | 97.5 | 97.6 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 |
| ≥ .003662109375 | 55.6 | 76.5 | 83.8 | 89.9 | 95.5 | 96.2 | 97.4 | 97.9 | 98.0 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 |
| ≥ .0018310546875 | 55.6 | 76.5 | 83.8 | 90.0 | 95.6 | 96.3 | 97.7 | 98.3 | 98.3 | 98.8 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.2 |
| ≥ .00091552734375 | 55.6 | 76.5 | 83.9 | 90.1 | 95.7 | 96.5 | 97.8 | 98.5 | 98.6 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ .000457763671875 | 55.6 | 76.5 | 83.9 | 90.1 | 95.8 | 96.5 | 97.8 | 98.5 | 98.6 | 99.2 | 99.4 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ .0002288818359375 | 55.6 | 76.5 | 83.9 | 90.1 | 95.8 | 96.5 | 97.9 | 98.5 | 98.6 | 99.2 | 99.4 | 99.4 | 99.7 | 99.7 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 6985

JOINT CLIMATE CENTER
ETAC
ATLANTIC SERVICE/MAL

CEILING VERSUS VISIBILITY

STATION 74-62
STATION NAME WATER TOWN, NY

YEAR 74-62

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-0100

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 44.3 | 56.5 | 59.6 | 61.9 | 63.2 | 63.2 | 63.4 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 64.0 |
| ≥ 20000 | 45.1 | 59.3 | 62.6 | 65.2 | 66.5 | 66.5 | 66.9 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.3 |
| ≥ 18000 | 45.7 | 54.3 | 62.6 | 65.2 | 66.5 | 66.5 | 66.9 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.6 |
| ≥ 16000 | 45.7 | 59.3 | 62.6 | 65.2 | 66.5 | 66.5 | 66.9 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.6 |
| ≥ 14000 | 45.7 | 59.3 | 62.6 | 65.2 | 66.5 | 66.5 | 66.9 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.6 |
| ≥ 12000 | 46.6 | 61.1 | 64.5 | 67.3 | 68.3 | 68.3 | 69.2 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.5 |
| ≥ 10000 | 49.1 | 64.0 | 67.9 | 70.6 | 72.5 | 72.5 | 72.9 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.6 |
| ≥ 9000 | 49.1 | 64.0 | 66.0 | 70.7 | 72.5 | 72.5 | 73.0 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.7 |
| ≥ 8000 | 49.2 | 66.8 | 71.4 | 74.2 | 76.1 | 76.1 | 76.5 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 77.2 |
| ≥ 7000 | 49.2 | 67.6 | 72.3 | 75.1 | 76.9 | 76.9 | 77.3 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 78.0 |
| ≥ 6000 | 50.5 | 68.8 | 73.7 | 76.8 | 78.7 | 78.7 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.8 |
| ≥ 5000 | 52.1 | 71.6 | 76.1 | 81.4 | 83.3 | 83.3 | 83.6 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.3 |
| ≥ 4500 | 52.7 | 72.6 | 79.3 | 82.8 | 84.7 | 84.7 | 85.1 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.8 |
| ≥ 4000 | 53.5 | 74.6 | 81.5 | 84.9 | 86.9 | 86.9 | 87.3 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 88.1 |
| ≥ 3500 | 53.9 | 75.5 | 82.8 | 86.3 | 88.2 | 88.2 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.5 |
| ≥ 3000 | 54.2 | 76.9 | 84.2 | 87.9 | 89.8 | 89.8 | 90.4 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 91.2 |
| ≥ 2500 | 54.4 | 77.8 | 85.5 | 89.2 | 91.2 | 91.2 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.5 |
| ≥ 2000 | 55.0 | 79.5 | 87.5 | 91.2 | 93.3 | 93.3 | 94.1 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.9 |
| ≥ 1800 | 55.1 | 79.5 | 87.5 | 91.2 | 93.3 | 93.3 | 94.1 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.9 |
| ≥ 1500 | 55.1 | 79.5 | 87.5 | 91.2 | 93.3 | 93.3 | 94.1 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.9 |
| ≥ 1200 | 55.1 | 80.0 | 88.9 | 92.7 | 95.3 | 95.3 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.3 |
| ≥ 1000 | 55.1 | 80.0 | 88.9 | 92.7 | 95.3 | 95.3 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.3 |
| ≥ 900 | 55.1 | 80.0 | 88.9 | 92.7 | 95.3 | 95.3 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.3 |
| ≥ 800 | 55.1 | 80.0 | 88.9 | 92.7 | 95.3 | 95.3 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.3 |
| ≥ 700 | 55.1 | 80.0 | 88.9 | 92.7 | 95.3 | 95.3 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.3 |
| ≥ 600 | 55.1 | 80.0 | 88.9 | 92.7 | 95.3 | 95.3 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.3 |
| ≥ 500 | 55.1 | 80.0 | 88.9 | 92.7 | 95.3 | 95.3 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.3 |
| ≥ 400 | 55.1 | 80.0 | 88.9 | 92.7 | 95.3 | 95.3 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.3 |
| ≥ 300 | 55.1 | 80.0 | 88.9 | 92.7 | 95.3 | 95.3 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.3 |
| ≥ 200 | 55.1 | 80.0 | 88.9 | 92.7 | 95.3 | 95.3 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.3 |
| ≥ 100 | 55.1 | 80.0 | 88.9 | 92.7 | 95.3 | 95.3 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.3 |
| ≥ 50 | 55.1 | 80.0 | 88.9 | 92.7 | 95.3 | 95.3 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.3 |
| ≥ 20 | 55.1 | 80.0 | 88.9 | 92.7 | 95.3 | 95.3 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.3 |
| ≥ 10 | 55.1 | 80.0 | 88.9 | 92.7 | 95.3 | 95.3 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.3 |

TOTAL NUMBER OF OBSERVATIONS 137

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227
STATION

WATERTOWN NY
STATION NAME

74-83
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0340-0500
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1.4 | ≥1 | ≥.9 | ≥.8 | ≥.7 | ≥.6 | ≥.5 | ≥.4 |
| NO CEILING | 30.4 | 47.7 | 50.9 | 54.1 | 56.0 | 56.0 | 57.0 | 57.4 | 57.4 | 57.8 | 57.9 | 57.9 | 58.3 | 58.3 | 58.5 | 58.6 |
| ≥ 20000 | 41.7 | 51.0 | 54.7 | 58.2 | 60.0 | 60.0 | 61.1 | 61.5 | 61.5 | 62.0 | 62.1 | 62.1 | 62.4 | 62.4 | 62.7 | 62.9 |
| W 18000 | 41.7 | 51.2 | 54.8 | 58.3 | 60.1 | 60.1 | 61.2 | 61.6 | 61.6 | 62.1 | 62.2 | 62.2 | 62.6 | 62.6 | 62.8 | 63.0 |
| W 16000 | 41.7 | 51.2 | 54.8 | 58.3 | 60.1 | 60.1 | 61.2 | 61.6 | 61.6 | 62.1 | 62.2 | 62.2 | 62.6 | 62.6 | 62.8 | 63.0 |
| W 14000 | 42.6 | 52.1 | 55.9 | 59.3 | 61.2 | 61.2 | 62.2 | 62.7 | 62.7 | 63.1 | 63.2 | 63.2 | 63.6 | 63.6 | 63.8 | 64.1 |
| W 12000 | 43.2 | 53.5 | 57.3 | 60.8 | 62.8 | 62.8 | 63.8 | 64.3 | 64.3 | 64.7 | 64.9 | 64.9 | 65.2 | 65.2 | 65.4 | 65.7 |
| W 10000 | 45.0 | 56.6 | 60.6 | 64.6 | 66.6 | 66.6 | 67.6 | 68.1 | 68.1 | 68.5 | 68.8 | 68.8 | 69.2 | 69.2 | 69.5 | 69.7 |
| W 9000 | 45.0 | 56.7 | 60.7 | 64.7 | 66.7 | 66.7 | 67.7 | 68.2 | 68.2 | 68.7 | 68.9 | 68.9 | 69.4 | 69.4 | 69.6 | 69.8 |
| W 8000 | 45.4 | 59.9 | 64.1 | 68.5 | 70.5 | 70.5 | 71.5 | 72.0 | 72.0 | 72.5 | 72.7 | 72.7 | 73.2 | 73.2 | 73.4 | 73.6 |
| W 7000 | 46.2 | 60.7 | 65.1 | 69.7 | 71.8 | 71.8 | 72.9 | 73.4 | 73.4 | 73.8 | 74.1 | 74.1 | 74.5 | 74.5 | 74.8 | 75.0 |
| W 6000 | 47.4 | 61.4 | 66.1 | 71.1 | 73.2 | 73.3 | 74.4 | 74.9 | 74.9 | 75.3 | 75.6 | 75.6 | 76.0 | 76.0 | 76.3 | 76.5 |
| W 5000 | 48.4 | 65.3 | 71.7 | 76.2 | 78.2 | 78.3 | 79.5 | 80.0 | 80.0 | 80.4 | 80.6 | 80.6 | 81.1 | 81.1 | 81.3 | 81.6 |
| W 4500 | 49.4 | 65.7 | 71.4 | 76.6 | 78.7 | 78.8 | 80.0 | 80.4 | 80.4 | 80.9 | 81.1 | 81.1 | 81.6 | 81.6 | 81.8 | 82.0 |
| W 4000 | 50.1 | 67.2 | 72.9 | 78.3 | 81.1 | 81.2 | 82.5 | 83.2 | 83.2 | 83.8 | 84.0 | 84.0 | 84.4 | 84.4 | 84.7 | 84.9 |
| W 3500 | 50.5 | 68.2 | 74.0 | 79.5 | 82.4 | 82.5 | 83.9 | 84.6 | 84.6 | 85.1 | 85.5 | 85.5 | 85.9 | 85.9 | 86.2 | 86.4 |
| W 3000 | 50.9 | 70.0 | 76.3 | 82.3 | 85.1 | 85.5 | 87.0 | 87.7 | 87.7 | 88.2 | 88.6 | 88.6 | 89.1 | 89.1 | 89.3 | 89.5 |
| W 2500 | 51.0 | 70.6 | 77.2 | 83.4 | 86.6 | 87.0 | 88.5 | 89.2 | 89.2 | 89.7 | 90.1 | 90.1 | 90.6 | 90.6 | 90.8 | 91.0 |
| W 2000 | 51.4 | 71.4 | 78.5 | 84.8 | 88.1 | 88.5 | 90.2 | 90.9 | 90.9 | 91.6 | 91.9 | 91.9 | 92.4 | 92.4 | 92.6 | 92.9 |
| W 1800 | 51.4 | 71.7 | 78.7 | 85.1 | 88.5 | 88.8 | 90.6 | 91.2 | 91.2 | 91.9 | 92.3 | 92.3 | 92.7 | 92.7 | 93.0 | 93.2 |
| W 1500 | 51.4 | 72.1 | 79.5 | 86.3 | 89.7 | 90.1 | 91.9 | 92.6 | 92.6 | 93.3 | 93.7 | 93.7 | 94.1 | 94.1 | 94.4 | 94.6 |
| W 1200 | 51.4 | 72.2 | 80.1 | 87.6 | 91.0 | 91.4 | 93.4 | 94.1 | 94.1 | 94.9 | 95.3 | 95.3 | 95.7 | 95.7 | 96.0 | 96.3 |
| W 1000 | 51.4 | 72.4 | 80.2 | 88.2 | 91.9 | 92.4 | 94.5 | 95.2 | 95.2 | 96.2 | 96.5 | 96.5 | 97.0 | 97.0 | 97.2 | 97.7 |
| W 900 | 51.4 | 72.5 | 80.5 | 88.6 | 92.3 | 92.7 | 95.0 | 95.7 | 95.7 | 96.8 | 97.1 | 97.1 | 97.6 | 97.6 | 97.8 | 98.3 |
| W 800 | 51.4 | 72.5 | 80.6 | 88.7 | 92.4 | 92.9 | 95.3 | 96.0 | 96.0 | 97.1 | 97.5 | 97.5 | 97.9 | 97.9 | 98.2 | 98.6 |
| W 700 | 51.4 | 72.5 | 80.6 | 88.7 | 92.4 | 92.9 | 95.4 | 96.1 | 96.1 | 97.4 | 97.7 | 97.7 | 98.2 | 98.2 | 98.4 | 98.8 |
| W 600 | 51.4 | 72.7 | 80.9 | 88.9 | 92.6 | 93.1 | 95.6 | 96.3 | 96.3 | 97.6 | 97.9 | 97.9 | 98.4 | 98.4 | 98.6 | 99.1 |
| W 500 | 51.4 | 72.8 | 81.0 | 89.1 | 93.0 | 93.4 | 96.0 | 96.7 | 96.7 | 97.9 | 98.3 | 98.3 | 98.8 | 98.8 | 99.1 | 99.5 |
| W 400 | 51.4 | 72.8 | 81.0 | 89.1 | 93.0 | 93.4 | 96.1 | 96.8 | 96.8 | 98.2 | 98.5 | 98.5 | 99.1 | 99.1 | 99.3 | 99.8 |
| W 300 | 51.4 | 72.8 | 81.0 | 89.1 | 93.0 | 93.4 | 96.1 | 96.8 | 96.8 | 98.2 | 98.5 | 98.5 | 99.1 | 99.1 | 99.3 | 99.8 |
| W 200 | 51.4 | 72.8 | 81.0 | 89.1 | 93.0 | 93.4 | 96.1 | 96.8 | 96.8 | 98.2 | 98.5 | 98.5 | 99.1 | 99.1 | 99.3 | 99.8 |
| W 100 | 51.4 | 72.8 | 81.0 | 89.1 | 93.0 | 93.4 | 96.1 | 96.8 | 96.8 | 98.2 | 98.5 | 98.5 | 99.1 | 99.1 | 99.3 | 99.8 |
| W 0 | 51.4 | 72.8 | 81.0 | 89.1 | 93.0 | 93.4 | 96.1 | 96.8 | 96.8 | 98.2 | 98.5 | 98.5 | 99.1 | 99.1 | 99.3 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 868

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

70-227
STATION

WATERTOWN NY

STATION NAME

74-83

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6450-0800
SOLAR TIME

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 34.1 | 43.0 | 46.0 | 49.5 | 51.7 | 51.8 | 53.1 | 53.4 | 53.5 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 54.0 |
| ≥ 20000 | 39.5 | 47.3 | 50.8 | 54.3 | 57.0 | 57.1 | 58.5 | 58.9 | 59.0 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.5 |
| ≥ 18000 | 39.5 | 47.3 | 50.8 | 54.3 | 57.0 | 57.1 | 58.5 | 58.9 | 59.0 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.5 |
| ≥ 16000 | 39.5 | 47.3 | 50.8 | 54.3 | 57.0 | 57.1 | 58.5 | 58.9 | 59.0 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.5 |
| ≥ 14000 | 40.0 | 48.1 | 51.5 | 55.1 | 57.7 | 57.8 | 59.2 | 59.7 | 59.8 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.2 |
| ≥ 12000 | 40.0 | 48.1 | 52.3 | 55.9 | 58.6 | 58.7 | 60.1 | 60.5 | 60.6 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.1 |
| ≥ 10000 | 42.7 | 52.2 | 56.1 | 60.5 | 63.3 | 63.4 | 64.8 | 65.3 | 65.4 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.1 |
| ≥ 9000 | 42.8 | 52.3 | 56.2 | 60.6 | 63.4 | 63.5 | 64.9 | 65.4 | 65.5 | 66.0 | 66.0 | 66.1 | 66.1 | 66.1 | 66.1 | 66.2 |
| ≥ 8000 | 44.9 | 55.5 | 60.4 | 65.2 | 68.4 | 68.5 | 69.9 | 70.3 | 70.4 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.2 |
| ≥ 7000 | 45.3 | 55.9 | 60.9 | 65.8 | 69.0 | 69.1 | 70.5 | 71.0 | 71.1 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.8 |
| ≥ 6000 | 45.7 | 56.6 | 61.8 | 67.1 | 70.3 | 70.4 | 71.8 | 72.3 | 72.4 | 73.0 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.2 |
| ≥ 5000 | 47.7 | 60.5 | 66.8 | 72.4 | 75.9 | 76.1 | 77.5 | 78.1 | 78.2 | 78.8 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 | 79.0 |
| ≥ 4500 | 47.8 | 61.0 | 67.4 | 73.0 | 76.6 | 76.8 | 78.2 | 78.7 | 78.8 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.7 |
| ≥ 4000 | 48.9 | 63.3 | 70.4 | 76.3 | 80.3 | 80.5 | 82.0 | 82.7 | 82.8 | 83.4 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.9 |
| ≥ 3500 | 49.8 | 64.6 | 71.9 | 76.3 | 82.4 | 82.6 | 84.1 | 84.7 | 84.8 | 85.5 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 |
| ≥ 3000 | 50.5 | 65.6 | 73.2 | 79.7 | 83.9 | 84.2 | 85.7 | 86.3 | 86.5 | 87.1 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.5 |
| ≥ 2500 | 50.6 | 66.5 | 74.3 | 80.8 | 85.1 | 85.4 | 86.9 | 87.5 | 87.6 | 88.3 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.7 |
| ≥ 2000 | 51.4 | 67.6 | 75.6 | 82.3 | 86.8 | 87.2 | 88.7 | 89.5 | 89.6 | 90.2 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.6 |
| ≥ 1800 | 51.4 | 67.8 | 75.8 | 82.5 | 87.1 | 87.4 | 88.9 | 89.7 | 89.8 | 90.4 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 |
| ≥ 1500 | 51.6 | 68.4 | 76.6 | 83.3 | 88.5 | 89.1 | 90.6 | 91.5 | 91.6 | 92.3 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.9 |
| ≥ 1200 | 51.7 | 68.8 | 77.0 | 83.9 | 89.4 | 90.0 | 91.8 | 92.7 | 92.8 | 93.4 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 94.1 |
| ≥ 1000 | 51.8 | 69.2 | 77.5 | 84.5 | 90.5 | 91.4 | 93.2 | 94.1 | 94.2 | 94.8 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 |
| ≥ 900 | 51.8 | 69.2 | 77.5 | 84.7 | 90.8 | 91.6 | 93.7 | 94.5 | 94.6 | 95.3 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.9 |
| ≥ 800 | 52.2 | 69.8 | 78.1 | 85.5 | 91.8 | 92.7 | 94.8 | 95.8 | 95.9 | 96.6 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.2 |
| ≥ 700 | 52.2 | 69.8 | 78.1 | 85.5 | 91.9 | 92.8 | 94.9 | 95.9 | 96.0 | 96.7 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.3 |
| ≥ 600 | 52.2 | 69.8 | 78.2 | 85.7 | 92.2 | 93.0 | 95.2 | 96.2 | 96.3 | 97.0 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.6 |
| ≥ 500 | 52.3 | 69.9 | 78.3 | 86.1 | 93.0 | 94.0 | 96.3 | 97.4 | 97.5 | 98.2 | 98.5 | 98.6 | 98.6 | 98.6 | 98.8 | 99.0 |
| ≥ 400 | 52.3 | 69.9 | 78.3 | 86.1 | 93.0 | 94.2 | 96.6 | 97.6 | 97.7 | 98.8 | 99.1 | 99.2 | 99.5 | 99.5 | 99.5 | 99.7 |
| ≥ 300 | 52.3 | 69.9 | 78.3 | 86.1 | 93.0 | 94.2 | 96.6 | 97.6 | 97.7 | 98.8 | 99.1 | 99.2 | 99.5 | 99.5 | 99.5 | 99.7 |
| ≥ 200 | 52.3 | 69.9 | 78.3 | 86.1 | 93.0 | 94.2 | 96.7 | 97.8 | 98.0 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 |
| ≥ 100 | 52.3 | 69.9 | 78.3 | 86.1 | 93.0 | 94.2 | 96.7 | 97.8 | 98.0 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 |
| ≥ 0 | 52.3 | 69.9 | 78.3 | 86.1 | 93.0 | 94.2 | 96.7 | 97.8 | 98.0 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10-227
STATION

WATERTOWN NY

STATION NAME

74-83

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1900
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1.4 | ≥1 | ≥.4 | ≥.3 | ≥.25 | ≥.2 | ≥.15 | ≥.1 |
| NO CEILING | 36.7 | 44.7 | 48.1 | 51.3 | 52.9 | 52.9 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 |
| ≥ 20000 | 40.6 | 49.4 | 52.9 | 56.7 | 58.5 | 58.6 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| ≥ 18000 | 40.6 | 49.4 | 52.9 | 56.7 | 58.5 | 58.6 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| ≥ 16000 | 40.6 | 49.4 | 52.9 | 56.7 | 58.5 | 58.6 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| ≥ 14000 | 40.6 | 49.7 | 53.2 | 57.0 | 58.8 | 58.9 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| ≥ 12000 | 41.7 | 50.8 | 54.4 | 58.3 | 60.1 | 60.2 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| ≥ 10000 | 43.1 | 53.5 | 58.3 | 62.8 | 64.6 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| ≥ 9000 | 43.1 | 53.9 | 58.6 | 63.2 | 65.1 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| ≥ 8000 | 45.3 | 57.0 | 62.5 | 67.7 | 69.9 | 70.0 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| ≥ 7000 | 45.4 | 57.1 | 62.6 | 68.3 | 70.1 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| ≥ 6000 | 45.6 | 57.5 | 63.2 | 68.8 | 71.0 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| ≥ 5000 | 46.5 | 59.2 | 65.7 | 71.7 | 74.3 | 74.4 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| ≥ 4500 | 46.7 | 59.7 | 66.1 | 72.3 | 74.9 | 75.1 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| ≥ 4000 | 46.1 | 61.6 | 68.8 | 74.9 | 77.6 | 77.7 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| ≥ 3500 | 49.9 | 63.3 | 71.1 | 77.2 | 79.9 | 80.0 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| ≥ 3000 | 49.9 | 64.6 | 72.7 | 79.6 | 82.6 | 82.7 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥ 2500 | 51.5 | 66.5 | 74.7 | 81.8 | 84.9 | 85.1 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| ≥ 2000 | 53.2 | 68.8 | 77.4 | 85.5 | 88.8 | 88.9 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 1800 | 53.4 | 69.0 | 77.6 | 85.9 | 89.2 | 89.4 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 1500 | 54.3 | 70.5 | 80.1 | 88.7 | 92.3 | 92.5 | 93.1 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 1200 | 54.5 | 71.1 | 81.2 | 90.4 | 94.0 | 94.2 | 94.8 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 1000 | 54.6 | 71.6 | 81.9 | 91.4 | 95.2 | 95.6 | 96.3 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 900 | 54.6 | 71.6 | 82.0 | 91.6 | 95.4 | 95.8 | 96.7 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 800 | 54.6 | 71.7 | 82.2 | 91.9 | 95.7 | 96.1 | 97.0 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 700 | 54.6 | 71.8 | 82.3 | 92.2 | 96.0 | 96.6 | 97.5 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 600 | 54.6 | 71.9 | 82.4 | 92.5 | 96.6 | 97.2 | 98.2 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 500 | 54.6 | 71.9 | 82.6 | 92.7 | 96.9 | 97.5 | 98.5 | 99.0 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 400 | 54.6 | 71.9 | 82.6 | 92.8 | 97.0 | 97.8 | 98.8 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 300 | 54.6 | 71.9 | 82.6 | 92.8 | 97.0 | 97.8 | 98.8 | 99.5 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 54.6 | 71.9 | 82.6 | 92.8 | 97.0 | 97.8 | 98.8 | 99.5 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 54.6 | 71.9 | 82.6 | 92.8 | 97.0 | 97.8 | 98.8 | 99.5 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 54.6 | 71.9 | 82.6 | 92.8 | 97.0 | 97.8 | 98.8 | 99.5 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
A. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-227

WATERTOWN NY

74-83

1960-1969

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1960-1969

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0 |
| NO. CEILING | 37.1 | 45.5 | 49.2 | 52.8 | 54.8 | 54.8 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| ≥ 20000 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 18000 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 16000 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 14000 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 12000 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 10000 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 9000 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 8000 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 7000 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 6000 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 5000 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 4500 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 4000 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 3500 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 3000 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 2500 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 2000 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 1800 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 1500 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 1200 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 1000 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 900 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 800 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 700 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 600 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 500 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 400 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 300 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 200 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 100 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 0 | 42.5 | 51.8 | 56.5 | 60.5 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |

TOTAL NUMBER OF OBSERVATIONS 930

OL PAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-227
STATION

WATERTOWN NY

STATION NAME

74-83

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15.0-17.0
HOURS 15

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ 0 |
| NO CEILING | 47.2 | 49.0 | 53.1 | 56.1 | 58.3 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| ≥ 20000 | 46.2 | 55.8 | 60.2 | 63.8 | 65.9 | 66.0 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥ 18000 | 46.3 | 55.9 | 60.3 | 63.9 | 66.0 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| ≥ 16000 | 46.3 | 55.9 | 60.3 | 63.9 | 66.0 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| ≥ 14000 | 46.6 | 56.1 | 60.5 | 64.1 | 66.2 | 66.3 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| ≥ 12000 | 47.2 | 57.3 | 61.8 | 65.4 | 67.6 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| ≥ 10000 | 47.6 | 57.0 | 65.2 | 69.4 | 71.8 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| ≥ 9000 | 47.6 | 57.0 | 65.2 | 69.4 | 71.8 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| ≥ 8000 | 49.6 | 61.7 | 67.5 | 71.9 | 74.6 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| ≥ 7000 | 49.9 | 62.4 | 69.2 | 72.6 | 75.3 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| ≥ 6000 | 51.0 | 63.9 | 69.7 | 74.2 | 77.0 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| ≥ 5000 | 51.6 | 65.5 | 71.9 | 77.1 | 80.0 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| ≥ 4500 | 52.5 | 66.7 | 73.4 | 78.7 | 81.6 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥ 4000 | 53.2 | 69.4 | 76.2 | 81.8 | 85.1 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 3500 | 54.0 | 70.5 | 78.0 | 84.4 | 87.6 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 3000 | 54.4 | 72.4 | 80.6 | 87.4 | 91.2 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 2500 | 55.5 | 73.9 | 82.6 | 89.8 | 94.0 | 94.2 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 2000 | 56.0 | 74.5 | 83.3 | 90.5 | 95.2 | 95.5 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 1800 | 56.1 | 74.6 | 83.4 | 90.6 | 95.4 | 95.7 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 1500 | 56.1 | 74.7 | 83.7 | 91.4 | 96.2 | 96.6 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 1200 | 56.3 | 75.4 | 84.3 | 92.2 | 97.1 | 97.4 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 1000 | 56.3 | 75.4 | 84.4 | 92.3 | 97.2 | 97.5 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 900 | 56.3 | 75.5 | 84.5 | 92.4 | 97.4 | 97.7 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 800 | 56.5 | 75.7 | 84.8 | 92.7 | 97.7 | 98.1 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 700 | 56.5 | 75.7 | 84.9 | 92.7 | 97.7 | 98.1 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 600 | 56.5 | 75.7 | 84.8 | 92.7 | 97.7 | 98.1 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 500 | 56.5 | 75.8 | 84.9 | 92.8 | 97.8 | 98.2 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 400 | 56.5 | 75.8 | 84.9 | 92.8 | 97.8 | 98.2 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 56.5 | 75.8 | 84.9 | 92.8 | 97.8 | 98.2 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 56.5 | 75.8 | 84.9 | 92.8 | 97.8 | 98.2 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 56.5 | 75.8 | 84.9 | 92.8 | 97.8 | 98.2 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 56.5 | 75.8 | 84.9 | 92.8 | 97.8 | 98.2 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

77-227
STATION

WATERTOWN, NY

STATION NAME

74-83

YEARS

1974

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1860-2000
SOURCE

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|------|------|------|------|-------|------|-------|------|------|-------|------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ .01 | ≥ 0 |
| NO CEILING ≥ 20000 | 42.2 | 51.2 | 54.8 | 56.7 | 58.7 | 58.8 | 58.9 | 58.8 | 58.9 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| IV 18000 | 45.8 | 57.5 | 61.5 | 64.2 | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| IV 16000 | 45.8 | 57.5 | 61.5 | 64.2 | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| IV 14000 | 46.2 | 58.1 | 62.0 | 64.8 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| IV 12000 | 47.0 | 59.1 | 63.4 | 66.5 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| IV 10000 | 48.7 | 61.3 | 65.8 | 70.3 | 72.7 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| IV 9000 | 47.9 | 61.6 | 66.1 | 71.6 | 73.7 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| IV 8000 | 50.8 | 64.0 | 69.6 | 74.5 | 77.1 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| IV 7000 | 51.5 | 65.1 | 71.3 | 76.2 | 76.9 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| IV 6000 | 51.8 | 65.6 | 72.0 | 77.0 | 79.7 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| IV 5000 | 52.9 | 67.6 | 75.1 | 81.1 | 82.9 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| IV 4500 | 53.3 | 68.3 | 75.9 | 81.3 | 84.1 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| IV 4000 | 54.4 | 71.0 | 79.5 | 85.2 | 88.0 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| IV 3500 | 55.2 | 72.6 | 81.3 | 87.3 | 90.2 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| IV 3000 | 55.6 | 73.1 | 82.4 | 89.4 | 92.6 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| IV 2500 | 55.8 | 73.9 | 83.4 | 90.6 | 94.1 | 94.6 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| IV 2000 | 55.7 | 74.3 | 83.9 | 91.3 | 94.8 | 95.4 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| IV 1800 | 56.0 | 74.5 | 84.1 | 91.5 | 95.2 | 95.7 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| IV 1500 | 56.0 | 74.8 | 84.9 | 92.4 | 96.0 | 96.6 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 1200 | 56.7 | 74.8 | 85.1 | 92.5 | 96.1 | 96.7 | 97.5 | 97.7 | 97.7 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 1000 | 56.0 | 75.2 | 85.5 | 92.9 | 96.7 | 97.2 | 98.1 | 98.3 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| IV 900 | 56.7 | 75.2 | 85.6 | 93.0 | 96.9 | 97.4 | 98.3 | 98.5 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 800 | 56.7 | 75.2 | 85.7 | 93.1 | 97.0 | 97.5 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 700 | 56.0 | 75.2 | 85.7 | 93.1 | 97.0 | 97.5 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 600 | 56.0 | 75.2 | 85.7 | 93.1 | 97.0 | 97.5 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 500 | 56.0 | 75.3 | 85.9 | 93.3 | 97.3 | 97.5 | 98.8 | 99.2 | 99.2 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 400 | 56.0 | 75.3 | 85.9 | 93.3 | 97.4 | 98.2 | 99.0 | 99.5 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 56.0 | 75.3 | 85.9 | 93.3 | 97.4 | 98.2 | 99.0 | 99.5 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 56.0 | 75.3 | 85.9 | 93.3 | 97.4 | 98.2 | 99.0 | 99.5 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 56.0 | 75.3 | 85.9 | 93.3 | 97.4 | 98.2 | 99.0 | 99.5 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 56.0 | 75.3 | 85.9 | 93.3 | 97.4 | 98.2 | 99.0 | 99.5 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 93

LIBERAL CLIMATOLOGY BRANCH
ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

77-227
STATION

WATERTOWN NY

STATION NAME

74-83

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1.4 | ≥1 | ≥.9 | ≥.8 | ≥.7 | ≥.6 | ≥.5 | ≥.4 |
| NO CEILING | 42.3 | 52.9 | 55.4 | 58.5 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| ≥ 20000 | 44.4 | 50.2 | 62.1 | 64.9 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 |
| ≥ 18000 | 44.4 | 50.2 | 62.1 | 64.9 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 |
| ≥ 16000 | 44.4 | 50.2 | 62.1 | 64.9 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 |
| ≥ 14000 | 44.4 | 50.2 | 62.1 | 64.9 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 |
| ≥ 12000 | 44.4 | 50.2 | 62.1 | 64.9 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 |
| ≥ 10000 | 47.3 | 64.0 | 69.6 | 71.9 | 74.3 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 |
| ≥ 9000 | 47.3 | 64.0 | 69.6 | 71.9 | 74.3 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 |
| ≥ 8000 | 47.3 | 64.0 | 69.6 | 71.9 | 74.3 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 |
| ≥ 7000 | 47.3 | 64.0 | 69.6 | 71.9 | 74.3 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 |
| ≥ 6000 | 49.3 | 67.2 | 72.2 | 76.1 | 78.6 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 79.1 | 79.1 |
| ≥ 5000 | 49.3 | 67.2 | 72.2 | 76.1 | 78.6 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 79.1 | 79.1 |
| ≥ 4500 | 51.7 | 71.1 | 77.6 | 81.6 | 84.6 | 84.9 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 |
| ≥ 4000 | 51.7 | 71.1 | 77.6 | 81.6 | 84.6 | 84.9 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 |
| ≥ 3500 | 52.7 | 73.1 | 79.7 | 84.0 | 87.0 | 87.3 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 |
| ≥ 3000 | 52.7 | 73.1 | 79.7 | 84.0 | 87.0 | 87.3 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 |
| ≥ 2500 | 54.2 | 77.0 | 84.7 | 89.4 | 92.6 | 93.1 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 |
| ≥ 2000 | 54.2 | 77.0 | 84.7 | 89.4 | 92.6 | 93.1 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 |
| ≥ 1800 | 55.1 | 78.5 | 86.7 | 91.6 | 94.9 | 95.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 |
| ≥ 1600 | 55.1 | 78.5 | 86.7 | 91.6 | 94.9 | 95.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 |
| ≥ 1400 | 55.4 | 78.8 | 87.1 | 92.2 | 96.1 | 96.5 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.4 | 97.4 |
| ≥ 1200 | 55.4 | 78.8 | 87.1 | 92.2 | 96.1 | 96.5 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.4 | 97.4 |
| ≥ 1000 | 55.5 | 79.1 | 87.5 | 92.6 | 96.5 | 97.0 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| ≥ 900 | 55.5 | 79.1 | 87.5 | 92.6 | 96.5 | 97.0 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| ≥ 800 | 55.5 | 79.1 | 87.5 | 92.6 | 96.5 | 97.0 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| ≥ 700 | 55.5 | 79.1 | 87.5 | 92.6 | 96.5 | 97.0 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| ≥ 600 | 55.5 | 79.1 | 87.5 | 92.6 | 96.5 | 97.0 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| ≥ 500 | 55.5 | 79.1 | 87.5 | 92.6 | 96.5 | 97.0 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| ≥ 400 | 55.5 | 79.1 | 87.5 | 92.6 | 96.5 | 97.0 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| ≥ 300 | 55.5 | 79.1 | 87.5 | 92.6 | 96.5 | 97.0 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| ≥ 200 | 55.5 | 79.1 | 87.5 | 92.6 | 96.5 | 97.0 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| ≥ 100 | 55.5 | 79.1 | 87.5 | 92.6 | 96.5 | 97.0 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| ≥ 0 | 55.5 | 79.1 | 87.5 | 92.6 | 96.5 | 97.0 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |

TOTAL NUMBER OF OBSERVATIONS 869

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10-227
STATION

AIRPORT NY
STATION NAME

74-83
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 37.3 | 46.7 | 52.2 | 55.0 | 56.9 | 57.0 | 57.4 | 57.5 | 57.5 | 57.6 | 57.5 | 57.6 | 57.6 | 57.6 | 57.7 | 57.8 |
| ≥ 20000 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.4 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 18000 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 16000 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 14000 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 12000 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 10000 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 9000 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 8000 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 7000 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 6000 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 5000 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 4500 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 4000 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 3500 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 3000 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 2500 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 2000 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 1800 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 1500 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 1200 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 1000 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 900 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 800 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 700 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 600 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 500 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 400 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 300 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 200 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 100 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |
| ≥ 0 | 43.2 | 53.7 | 57.6 | 60.9 | 63.7 | 63.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.9 |

TOTAL NUMBER OF OBSERVATIONS 7224

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227
STATION

SALTERTON, NY

STATION NAME

74-83

YEARS

AMS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

74-0200
BOOK

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .00 |
| NO CEILING | 32.5 | 32.4 | 54.7 | 55.6 | 57.4 | 57.5 | 58.1 | 58.2 | 58.2 | 58.5 | 58.6 | 58.6 | 58.6 | 58.6 | 59.1 | 59.1 |
| ≥ 20000 | 42.5 | 56.6 | 59.6 | 62.8 | 62.6 | 62.7 | 63.2 | 63.3 | 63.3 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 64.3 | 64.3 |
| ≥ 18000 | 42.5 | 56.6 | 59.6 | 62.8 | 62.6 | 62.7 | 63.2 | 63.3 | 63.3 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 64.3 | 64.3 |
| ≥ 16000 | 42.5 | 56.6 | 59.6 | 62.8 | 62.6 | 62.7 | 63.2 | 63.3 | 63.3 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 64.3 | 64.3 |
| ≥ 14000 | 42.5 | 57.1 | 60.1 | 61.3 | 63.5 | 63.7 | 64.2 | 64.3 | 64.3 | 64.6 | 64.7 | 64.7 | 64.7 | 64.7 | 65.3 | 65.3 |
| ≥ 12000 | 43.5 | 58.2 | 61.2 | 62.4 | 64.6 | 64.7 | 65.3 | 65.4 | 65.4 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 66.3 | 66.3 |
| ≥ 10000 | 45.7 | 62.5 | 65.9 | 67.2 | 69.5 | 69.6 | 70.1 | 70.2 | 70.2 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 | 71.2 | 71.2 |
| ≥ 9000 | 46.7 | 63.1 | 66.5 | 68.1 | 70.3 | 70.4 | 71.0 | 71.1 | 71.1 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 72.0 | 72.0 |
| ≥ 8000 | 47.5 | 65.1 | 69.5 | 70.9 | 73.2 | 73.3 | 73.9 | 74.0 | 74.0 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.9 | 74.9 |
| ≥ 7000 | 47.8 | 65.4 | 69.9 | 71.7 | 74.1 | 74.3 | 74.8 | 74.9 | 74.9 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.9 | 75.9 |
| ≥ 6000 | 48.9 | 67.2 | 71.7 | 73.9 | 76.5 | 76.7 | 77.5 | 77.6 | 77.6 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.6 | 78.6 |
| ≥ 5000 | 50.2 | 69.8 | 75.3 | 77.6 | 80.3 | 80.5 | 81.4 | 81.5 | 81.5 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 82.5 | 82.5 |
| ≥ 4500 | 50.3 | 71.2 | 76.7 | 79.0 | 81.7 | 81.9 | 82.8 | 82.9 | 82.9 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 84.0 | 84.0 |
| ≥ 4000 | 51.6 | 73.8 | 79.6 | 82.2 | 84.8 | 85.1 | 85.9 | 86.1 | 86.1 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 87.1 | 87.1 |
| ≥ 3500 | 52.4 | 75.1 | 81.2 | 84.2 | 87.0 | 87.2 | 88.1 | 88.2 | 88.2 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 89.2 | 89.2 |
| ≥ 3000 | 52.8 | 76.6 | 83.0 | 86.0 | 88.9 | 89.1 | 90.1 | 90.2 | 90.2 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 91.3 | 91.3 |
| ≥ 2500 | 52.9 | 77.3 | 84.1 | 87.1 | 90.1 | 90.3 | 91.3 | 91.4 | 91.4 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 92.5 | 92.5 |
| ≥ 2000 | 53.7 | 78.0 | 85.6 | 88.9 | 92.0 | 92.3 | 93.2 | 93.3 | 93.3 | 93.6 | 93.9 | 93.9 | 93.9 | 93.9 | 94.4 | 94.4 |
| ≥ 1800 | 53.7 | 78.1 | 85.7 | 89.4 | 92.5 | 92.7 | 93.7 | 93.8 | 93.8 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.8 | 94.8 |
| ≥ 1500 | 53.7 | 78.4 | 86.1 | 89.8 | 93.0 | 93.2 | 94.3 | 94.5 | 94.5 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.6 | 95.6 |
| ≥ 1200 | 53.7 | 79.0 | 87.2 | 90.9 | 94.5 | 94.8 | 96.1 | 96.3 | 96.3 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.5 | 97.5 |
| ≥ 1000 | 53.7 | 79.0 | 87.4 | 91.2 | 94.8 | 95.2 | 96.6 | 96.8 | 96.8 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 98.0 | 98.0 |
| ≥ 900 | 53.7 | 79.0 | 87.4 | 91.2 | 94.9 | 95.3 | 96.8 | 97.0 | 97.0 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 98.3 | 98.3 |
| ≥ 800 | 53.7 | 79.0 | 87.5 | 91.3 | 95.2 | 95.5 | 97.0 | 97.2 | 97.2 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.6 | 98.6 |
| ≥ 700 | 53.7 | 79.1 | 87.8 | 91.6 | 95.5 | 95.8 | 97.6 | 97.8 | 97.8 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 99.2 | 99.2 |
| ≥ 600 | 53.7 | 79.1 | 87.8 | 91.6 | 95.5 | 95.8 | 97.6 | 97.8 | 97.8 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 99.2 | 99.2 |
| ≥ 500 | 53.7 | 79.1 | 87.8 | 91.6 | 95.5 | 95.8 | 97.6 | 97.8 | 97.8 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 99.2 | 99.2 |
| ≥ 400 | 53.7 | 79.1 | 87.8 | 91.6 | 95.5 | 95.8 | 97.6 | 98.0 | 98.0 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 99.4 | 99.4 |
| ≥ 300 | 53.7 | 79.1 | 87.8 | 91.6 | 95.5 | 95.8 | 97.6 | 98.2 | 98.2 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.6 | 99.6 |
| ≥ 200 | 53.7 | 79.1 | 87.8 | 91.6 | 95.5 | 95.8 | 97.6 | 98.2 | 98.2 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.6 | 99.6 |
| ≥ 100 | 53.7 | 79.1 | 87.8 | 91.6 | 95.5 | 95.8 | 97.6 | 98.2 | 98.2 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.6 | 99.6 |
| ≥ 0 | 53.7 | 79.1 | 87.8 | 91.6 | 95.5 | 95.8 | 97.6 | 98.2 | 98.2 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS 930

JOINT CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/PAC

CEILING VERSUS VISIBILITY

74-227

ALBERTOWN NY

74-83

AMF

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0100-0500

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|---------------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| ≥20000 | 37.7 | 40.2 | 57.2 | 51.4 | 53.1 | 53.2 | 53.8 | 53.8 | 53.8 | 54.7 | 54.9 | 54.8 | 55.2 | 55.2 | 55.3 | 55.8 |
| ≥18000 | 37.7 | 40.2 | 52.4 | 53.9 | 56.7 | 56.2 | 56.8 | 56.8 | 56.8 | 57.7 | 57.8 | 57.8 | 58.2 | 58.2 | 58.3 | 58.8 |
| ≥16000 | 37.9 | 51.0 | 52.4 | 53.9 | 56.7 | 56.2 | 56.8 | 56.8 | 56.8 | 57.7 | 57.8 | 57.8 | 58.2 | 58.2 | 58.3 | 58.8 |
| ≥14000 | 39.1 | 50.3 | 52.7 | 54.2 | 56.9 | 56.7 | 57.2 | 57.2 | 57.2 | 58.2 | 58.3 | 58.3 | 58.6 | 58.6 | 58.7 | 59.2 |
| ≥12000 | 39.9 | 51.7 | 54.2 | 55.7 | 58.1 | 58.3 | 58.8 | 58.8 | 58.8 | 59.6 | 59.9 | 59.9 | 60.2 | 60.2 | 60.3 | 60.9 |
| ≥10000 | 41.9 | 54.9 | 57.3 | 58.8 | 61.5 | 61.7 | 62.4 | 62.4 | 62.4 | 63.3 | 63.4 | 63.4 | 63.8 | 63.8 | 63.9 | 64.4 |
| ≥8000 | 42.2 | 55.3 | 57.7 | 59.4 | 62.0 | 62.3 | 62.9 | 62.9 | 62.9 | 63.9 | 64.0 | 64.0 | 64.3 | 64.3 | 64.4 | 64.9 |
| ≥6000 | 44.0 | 57.8 | 60.6 | 62.6 | 65.6 | 65.8 | 66.5 | 66.6 | 66.6 | 67.5 | 67.6 | 67.6 | 68.0 | 68.0 | 68.1 | 68.6 |
| ≥4000 | 44.7 | 58.4 | 61.6 | 63.7 | 66.8 | 67.2 | 67.8 | 68.0 | 68.0 | 68.9 | 69.0 | 69.0 | 69.4 | 69.4 | 69.5 | 70.0 |
| ≥2000 | 45.5 | 59.6 | 62.6 | 64.8 | 68.4 | 68.8 | 69.8 | 69.9 | 69.9 | 71.0 | 71.1 | 71.1 | 71.4 | 71.4 | 71.5 | 72.0 |
| ≥1000 | 46.1 | 61.2 | 64.6 | 67.4 | 71.2 | 71.8 | 72.7 | 73.0 | 73.0 | 74.1 | 74.2 | 74.2 | 74.5 | 74.5 | 74.6 | 75.2 |
| ≥500 | 46.6 | 62.3 | 65.7 | 68.7 | 72.6 | 73.1 | 74.2 | 74.5 | 74.5 | 75.6 | 75.7 | 75.7 | 76.0 | 76.0 | 76.1 | 76.7 |
| ≥250 | 47.7 | 64.3 | 68.0 | 71.9 | 75.9 | 75.9 | 77.1 | 77.4 | 77.4 | 78.7 | 78.8 | 78.8 | 79.1 | 79.1 | 79.2 | 79.9 |
| ≥125 | 49.7 | 65.2 | 69.5 | 73.2 | 77.3 | 77.7 | 78.9 | 79.2 | 79.2 | 80.5 | 80.6 | 80.6 | 81.0 | 81.0 | 81.1 | 81.7 |
| ≥62.5 | 49.7 | 67.4 | 72.2 | 76.1 | 80.2 | 80.6 | 81.9 | 82.3 | 82.3 | 83.8 | 83.9 | 83.9 | 84.2 | 84.2 | 84.3 | 84.9 |
| ≥31.25 | 49.6 | 68.4 | 73.8 | 78.1 | 82.2 | 82.6 | 84.0 | 84.3 | 84.3 | 85.8 | 85.9 | 85.9 | 86.2 | 86.2 | 86.3 | 87.0 |
| ≥15.625 | 42.9 | 69.7 | 75.9 | 80.4 | 84.7 | 85.2 | 86.8 | 87.2 | 87.2 | 88.7 | 88.8 | 88.8 | 89.1 | 89.1 | 89.2 | 89.9 |
| ≥7.8125 | 49.9 | 69.8 | 76.7 | 80.5 | 84.9 | 85.3 | 86.9 | 87.3 | 87.3 | 88.8 | 88.9 | 88.9 | 89.2 | 89.2 | 89.4 | 90.0 |
| ≥3.90625 | 49.9 | 70.3 | 77.1 | 81.6 | 86.0 | 86.5 | 88.5 | 88.9 | 89.1 | 90.6 | 90.8 | 90.8 | 91.1 | 91.1 | 91.2 | 91.8 |
| ≥1.953125 | 50.1 | 71.2 | 77.1 | 83.1 | 88.1 | 88.5 | 90.6 | 91.3 | 91.3 | 92.9 | 93.0 | 93.0 | 93.3 | 93.3 | 93.4 | 94.1 |
| ≥0.9765625 | 50.1 | 71.5 | 78.6 | 83.8 | 89.0 | 89.5 | 91.8 | 92.5 | 92.5 | 94.1 | 94.2 | 94.2 | 94.5 | 94.5 | 94.6 | 95.3 |
| ≥0.48828125 | 50.1 | 71.7 | 78.8 | 84.1 | 89.2 | 89.7 | 92.0 | 92.8 | 92.8 | 94.4 | 94.5 | 94.5 | 94.8 | 94.8 | 94.9 | 95.6 |
| ≥0.244140625 | 50.1 | 71.7 | 78.9 | 84.3 | 89.8 | 90.3 | 92.7 | 93.4 | 93.5 | 95.2 | 95.3 | 95.3 | 95.6 | 95.6 | 95.7 | 96.3 |
| ≥0.1220703125 | 50.1 | 71.7 | 79.1 | 84.5 | 90.1 | 90.6 | 93.0 | 93.8 | 93.9 | 95.5 | 95.6 | 95.6 | 95.9 | 95.9 | 96.0 | 96.7 |
| ≥0.06103515625 | 50.1 | 71.7 | 79.1 | 84.5 | 90.3 | 90.9 | 93.3 | 94.0 | 94.1 | 95.7 | 95.8 | 95.8 | 96.1 | 96.1 | 96.2 | 96.9 |
| ≥0.030517578125 | 50.1 | 71.8 | 79.2 | 84.8 | 90.6 | 91.2 | 93.9 | 94.6 | 94.7 | 96.6 | 96.8 | 96.8 | 97.1 | 97.1 | 97.2 | 97.8 |
| ≥0.0152587890625 | 50.1 | 71.8 | 79.2 | 84.8 | 90.6 | 91.2 | 94.1 | 94.8 | 94.9 | 96.8 | 97.0 | 97.0 | 97.3 | 97.3 | 97.5 | 98.2 |
| ≥0.00762939453125 | 50.1 | 71.8 | 79.2 | 84.8 | 90.8 | 91.3 | 94.3 | 95.1 | 95.2 | 97.0 | 97.2 | 97.2 | 97.6 | 97.6 | 97.8 | 98.5 |
| ≥0.003814697265625 | 50.1 | 71.8 | 79.2 | 84.8 | 90.8 | 91.3 | 94.3 | 95.1 | 95.2 | 97.1 | 97.3 | 97.3 | 97.7 | 97.8 | 98.1 | 98.7 |
| ≥0.0019073486328125 | 50.1 | 71.8 | 79.2 | 84.8 | 90.8 | 91.3 | 94.3 | 95.1 | 95.2 | 97.1 | 97.3 | 97.3 | 97.7 | 97.8 | 98.1 | 98.7 |

TOTAL NUMBER OF OBSERVATIONS 030

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227

WATERTOWN NY

STATION NAME

74-23

YEARS

1960-1960

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1960-1960

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|--------|-------|--------|--------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ 0.75 | ≥ 0.5 | ≥ 0.25 | ≥ 0.15 | ≥ 0.1 | ≥ 0.05 | ≥ 0 |
| NO CEILING | 20.4 | 33.9 | 39.1 | 40.6 | 44.4 | 44.6 | 45.2 | 45.5 | 45.5 | 45.8 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 46.1 |
| ≥ 20000 | 22.3 | 40.0 | 42.4 | 45.7 | 50.1 | 50.3 | 50.9 | 51.2 | 51.2 | 51.5 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.8 |
| ≥ 18000 | 32.3 | 40.0 | 42.4 | 45.7 | 50.1 | 50.3 | 50.9 | 51.2 | 51.2 | 51.5 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.8 |
| ≥ 16000 | 32.3 | 40.0 | 42.4 | 45.7 | 50.1 | 50.3 | 50.9 | 51.2 | 51.2 | 51.5 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.8 |
| ≥ 14000 | 32.4 | 40.1 | 42.5 | 45.8 | 50.3 | 50.5 | 51.1 | 51.4 | 51.4 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 52.0 |
| ≥ 12000 | 33.4 | 41.4 | 44.2 | 47.4 | 51.9 | 52.2 | 52.7 | 53.0 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.7 |
| ≥ 10000 | 34.0 | 43.7 | 46.6 | 50.3 | 55.3 | 55.5 | 56.7 | 56.3 | 56.3 | 56.7 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 57.0 |
| ≥ 9000 | 35.2 | 44.0 | 46.9 | 50.8 | 55.7 | 55.9 | 56.5 | 56.8 | 56.8 | 57.1 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.4 |
| ≥ 8000 | 37.2 | 47.4 | 50.9 | 55.5 | 60.6 | 60.9 | 61.4 | 61.7 | 61.7 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.4 |
| ≥ 7000 | 37.6 | 48.2 | 51.7 | 56.7 | 62.7 | 62.3 | 62.9 | 63.1 | 63.1 | 63.4 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.8 |
| ≥ 6000 | 38.4 | 49.1 | 52.8 | 57.8 | 63.5 | 63.9 | 64.4 | 64.7 | 64.7 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.4 |
| ≥ 5000 | 39.5 | 50.8 | 54.6 | 60.0 | 65.9 | 66.1 | 66.8 | 67.2 | 67.2 | 67.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 68.0 |
| ≥ 4500 | 39.6 | 51.0 | 54.9 | 60.6 | 66.5 | 66.8 | 67.4 | 67.8 | 67.8 | 68.2 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.6 |
| ≥ 4000 | 41.2 | 53.2 | 57.4 | 63.4 | 69.7 | 70.0 | 71.0 | 71.4 | 71.4 | 72.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 |
| ≥ 3500 | 42.2 | 54.1 | 59.5 | 65.5 | 72.4 | 72.8 | 73.8 | 74.2 | 74.2 | 74.8 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.3 |
| ≥ 3000 | 42.9 | 56.8 | 62.2 | 68.6 | 75.9 | 76.3 | 77.3 | 77.8 | 77.8 | 78.6 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 79.0 |
| ≥ 2500 | 43.5 | 57.8 | 63.5 | 70.1 | 77.7 | 78.3 | 79.4 | 79.9 | 79.9 | 80.6 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 81.1 |
| ≥ 2000 | 44.6 | 59.7 | 66.1 | 73.9 | 82.0 | 82.6 | 84.3 | 85.2 | 85.2 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.3 |
| ≥ 1800 | 44.7 | 59.9 | 66.3 | 74.1 | 82.3 | 82.8 | 84.6 | 85.5 | 85.5 | 86.2 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.7 |
| ≥ 1500 | 45.3 | 60.9 | 67.5 | 75.4 | 83.8 | 84.3 | 86.3 | 87.3 | 87.3 | 88.1 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.5 |
| ≥ 1200 | 45.6 | 61.7 | 68.5 | 76.8 | 85.6 | 86.3 | 88.6 | 89.6 | 89.6 | 90.3 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.8 |
| ≥ 1000 | 46.3 | 63.1 | 70.1 | 78.9 | 88.4 | 89.2 | 91.8 | 92.9 | 92.9 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 94.1 |
| ≥ 900 | 46.3 | 63.2 | 70.2 | 79.0 | 88.6 | 89.5 | 92.0 | 93.1 | 93.1 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.3 |
| ≥ 800 | 46.3 | 63.2 | 70.5 | 79.6 | 89.1 | 90.4 | 92.7 | 93.8 | 93.8 | 94.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 95.1 |
| ≥ 700 | 46.3 | 63.3 | 70.8 | 79.9 | 89.6 | 90.4 | 93.1 | 94.5 | 94.5 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.8 |
| ≥ 600 | 46.3 | 63.4 | 71.7 | 80.2 | 90.2 | 91.1 | 94.0 | 95.5 | 95.5 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.8 |
| ≥ 500 | 46.3 | 63.9 | 71.8 | 81.2 | 91.2 | 92.0 | 94.9 | 96.6 | 96.6 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 98.2 |
| ≥ 400 | 46.3 | 64.7 | 71.9 | 81.4 | 91.4 | 92.3 | 95.2 | 96.8 | 96.8 | 97.8 | 98.1 | 98.1 | 98.2 | 98.2 | 98.3 | 98.5 |
| ≥ 300 | 46.3 | 64.7 | 71.9 | 81.6 | 91.6 | 92.5 | 95.7 | 97.3 | 97.3 | 98.4 | 98.6 | 98.6 | 98.9 | 98.9 | 99.0 | 99.2 |
| ≥ 200 | 46.3 | 64.7 | 71.9 | 81.6 | 91.6 | 92.5 | 95.7 | 97.3 | 97.3 | 98.4 | 98.7 | 98.7 | 99.0 | 99.0 | 99.1 | 99.6 |
| ≥ 100 | 46.3 | 64.7 | 71.9 | 81.6 | 91.6 | 92.5 | 95.7 | 97.3 | 97.3 | 98.4 | 98.7 | 98.7 | 99.0 | 99.0 | 99.2 | 99.7 |
| ≥ 0 | 46.3 | 64.7 | 71.9 | 81.6 | 91.6 | 92.5 | 95.7 | 97.3 | 97.3 | 98.4 | 98.7 | 98.7 | 99.0 | 99.0 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 931

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

1227 ALBERTA, NY STATION NAME

74-83

1967

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

05-0-1136

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|-------|------|-------|-------|-------|------|-------|-------|-------|-------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.0 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .001 |
| NO CEILING | 23.1 | 34.9 | 41.5 | 44.1 | 46.7 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| ≥ 20000 | 36.6 | 44.2 | 46.2 | 49.4 | 51.7 | 51.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| ≥ 18000 | 31.6 | 44.3 | 46.3 | 49.9 | 51.3 | 52.0 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| ≥ 16000 | 36.6 | 44.3 | 46.3 | 49.9 | 51.8 | 52.7 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| ≥ 14000 | 36.6 | 44.6 | 46.8 | 50.3 | 52.5 | 52.7 | 52.9 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| ≥ 12000 | 37.4 | 45.8 | 48.7 | 51.4 | 53.9 | 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 10000 | 39.7 | 48.0 | 51.0 | 55.1 | 57.6 | 58.4 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| ≥ 9000 | 39.2 | 48.2 | 51.2 | 55.5 | 58.1 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| ≥ 8000 | 40.7 | 50.1 | 53.4 | 58.0 | 61.2 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| ≥ 7000 | 41.7 | 51.0 | 54.3 | 58.8 | 62.0 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 6000 | 41.3 | 52.7 | 56.7 | 60.3 | 64.0 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| ≥ 5000 | 42.7 | 54.6 | 58.1 | 62.3 | 66.7 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| ≥ 4500 | 42.1 | 55.2 | 59.8 | 63.7 | 67.5 | 67.8 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| ≥ 4000 | 43.1 | 56.3 | 61.2 | 65.6 | 69.8 | 70.1 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| ≥ 3500 | 44.4 | 56.0 | 62.2 | 67.6 | 72.5 | 72.8 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| ≥ 3000 | 45.6 | 55.8 | 64.1 | 69.8 | 74.6 | 74.9 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| ≥ 2500 | 47.6 | 52.6 | 67.6 | 73.7 | 78.9 | 79.4 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| ≥ 2000 | 49.2 | 65.4 | 71.1 | 77.5 | 82.8 | 83.2 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 1800 | 49.7 | 65.8 | 71.6 | 78.1 | 83.4 | 83.7 | 84.5 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| ≥ 1600 | 51.7 | 68.0 | 74.0 | 80.5 | 86.5 | 87.0 | 87.6 | 87.6 | 87.6 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 1400 | 51.3 | 69.4 | 75.7 | 83.2 | 89.4 | 90.0 | 91.0 | 91.0 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 1200 | 51.4 | 70.6 | 77.4 | 85.4 | 91.9 | 92.7 | 93.8 | 94.2 | 94.2 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 1000 | 51.4 | 70.9 | 77.8 | 86.0 | 92.6 | 93.3 | 94.4 | 95.2 | 95.2 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 900 | 51.5 | 71.1 | 78.2 | 86.5 | 93.1 | 94.0 | 95.2 | 95.9 | 95.9 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| ≥ 800 | 51.6 | 71.5 | 78.4 | 87.2 | 94.1 | 94.9 | 96.1 | 96.9 | 96.9 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 700 | 51.6 | 71.7 | 79.1 | 87.7 | 94.7 | 95.6 | 96.8 | 97.5 | 97.5 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 600 | 51.6 | 72.4 | 79.9 | 88.4 | 95.9 | 96.8 | 98.0 | 98.7 | 98.7 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 500 | 51.6 | 72.4 | 79.9 | 88.5 | 96.0 | 96.9 | 98.1 | 98.8 | 98.8 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 400 | 51.6 | 72.4 | 79.9 | 88.6 | 96.2 | 97.1 | 98.3 | 99.0 | 99.0 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 51.6 | 72.4 | 79.9 | 88.6 | 96.2 | 97.1 | 98.3 | 99.0 | 99.0 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 51.6 | 72.4 | 79.9 | 88.6 | 96.2 | 97.1 | 98.3 | 99.0 | 99.0 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 51.6 | 72.4 | 79.9 | 88.6 | 96.2 | 97.1 | 98.3 | 99.0 | 99.0 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 51.6 | 72.4 | 79.9 | 88.6 | 96.2 | 97.1 | 98.3 | 99.0 | 99.0 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-227 WATERLOO, NY

74-87

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1400

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| 20000 | 33.5 | 75.2 | 4.8 | 43.7 | 44.9 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| 18000 | 37.5 | 44.4 | 46.6 | 51.1 | 51.7 | 51.9 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| 16000 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 14000 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 12000 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 10000 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 8000 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 6000 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 4000 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 2000 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 1000 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 500 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 200 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 100 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 50 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 25 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 10 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 5 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 2 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 1 | 37.5 | 44.4 | 46.6 | 50.2 | 51.8 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |

TOTAL NUMBER OF OBSERVATIONS 93

LOCAL CLIMATOLOGY BRANCH
 AFCELTAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 74-227 AIRPORT, NY STATION NAME

74-63

YEAR

DATA

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

15-2-1776

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0 |
| NO CEILING | 39.7 | 41.8 | 44.6 | 47.4 | 49.4 | 48.4 | 45.9 | 48.7 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 |
| ≥25000 | 40.4 | 47.7 | 52.5 | 55.8 | 57.3 | 57.3 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| ≥8000 | 47.1 | 49.3 | 52.5 | 55.8 | 57.3 | 57.3 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| ≥6000 | 47.4 | 49.3 | 52.5 | 55.8 | 57.3 | 57.3 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| ≥4000 | 47.8 | 49.4 | 52.9 | 56.1 | 57.5 | 57.5 | 59.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| ≥3000 | 41.5 | 50.4 | 54.1 | 57.5 | 59.0 | 59.0 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| ≥2000 | 44.1 | 54.1 | 59.3 | 62.2 | 64.1 | 64.1 | 64.9 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| ≥1800 | 44.1 | 54.5 | 59.9 | 63.2 | 65.2 | 65.2 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| ≥1600 | 46.1 | 56.7 | 63.0 | 67.6 | 69.9 | 70.0 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| ≥1400 | 47.4 | 58.8 | 63.9 | 68.6 | 70.9 | 71.0 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| ≥1200 | 48.7 | 60.2 | 67.3 | 70.9 | 72.9 | 73.0 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| ≥1000 | 48.7 | 62.8 | 68.1 | 73.7 | 76.3 | 76.3 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| ≥800 | 49.9 | 63.2 | 68.7 | 74.8 | 77.5 | 77.7 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| ≥600 | 51.7 | 65.9 | 71.0 | 78.1 | 81.8 | 81.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| ≥400 | 53.4 | 68.1 | 74.7 | 80.5 | 84.3 | 84.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| ≥200 | 54.7 | 70.3 | 76.8 | 83.7 | 87.3 | 87.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥100 | 57.3 | 72.5 | 79.4 | 86.0 | 90.4 | 90.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥50 | 57.3 | 73.9 | 81.2 | 87.8 | 92.4 | 92.4 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥25 | 57.3 | 75.6 | 83.0 | 89.8 | 94.8 | 95.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥12.5 | 59.1 | 76.1 | 83.8 | 90.6 | 95.8 | 96.3 | 98.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥6.25 | 59.1 | 76.5 | 84.3 | 91.3 | 96.5 | 97.0 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥3.125 | 59.1 | 76.5 | 84.3 | 91.3 | 96.6 | 97.1 | 99.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥1.5625 | 59.1 | 76.6 | 84.4 | 91.4 | 96.7 | 97.2 | 99.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥0.78125 | 59.1 | 76.6 | 84.5 | 91.5 | 96.8 | 97.3 | 99.9 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥0.390625 | 59.1 | 76.7 | 84.6 | 91.6 | 97.7 | 97.5 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥0.1953125 | 59.1 | 76.7 | 84.7 | 91.7 | 97.1 | 97.6 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥0.09765625 | 59.1 | 76.7 | 84.7 | 91.7 | 97.1 | 97.6 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥0.048828125 | 59.1 | 76.7 | 84.7 | 91.7 | 97.1 | 97.6 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 74-83 STATION NAME LAKEVIEW, NY

74-83

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0 |
| NO CEILING | 27.7 | 47.4 | 57.2 | 52.2 | 53.5 | 53.7 | 53.9 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| ≥ 20000 | 43.5 | 54.3 | 57.7 | 60.1 | 61.7 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| ≥ 18000 | 43.5 | 54.3 | 57.7 | 60.1 | 61.7 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| ≥ 16000 | 43.5 | 54.3 | 57.7 | 60.1 | 61.7 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| ≥ 14000 | 43.5 | 54.3 | 57.7 | 60.1 | 61.7 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| ≥ 12000 | 43.5 | 54.3 | 57.7 | 60.1 | 61.7 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| ≥ 10000 | 47.6 | 60.0 | 64.5 | 67.8 | 69.7 | 69.8 | 70.0 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| ≥ 9000 | 47.7 | 60.4 | 65.2 | 68.6 | 70.6 | 70.8 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| ≥ 8000 | 50.5 | 64.4 | 69.9 | 73.4 | 75.5 | 75.7 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| ≥ 7000 | 50.8 | 64.8 | 70.3 | 73.9 | 75.9 | 76.1 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| ≥ 6000 | 51.1 | 65.8 | 71.5 | 75.3 | 77.3 | 77.5 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| ≥ 5000 | 52.2 | 67.6 | 73.3 | 77.5 | 79.8 | 80.3 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| ≥ 4500 | 52.6 | 68.2 | 74.1 | 78.4 | 81.0 | 81.5 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 4000 | 54.2 | 70.2 | 77.2 | 81.6 | 84.7 | 85.3 | 85.9 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| ≥ 3500 | 56.1 | 72.6 | 79.6 | 84.4 | 87.6 | 88.2 | 88.8 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 3000 | 56.7 | 73.5 | 81.2 | 86.7 | 90.1 | 90.8 | 91.6 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 2500 | 57.6 | 75.1 | 82.7 | 88.3 | 91.9 | 92.8 | 93.4 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 2000 | 57.6 | 75.5 | 83.3 | 89.0 | 92.9 | 93.9 | 94.5 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 1800 | 57.6 | 75.7 | 83.7 | 89.4 | 93.2 | 93.9 | 94.9 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 1500 | 57.7 | 76.2 | 84.2 | 89.9 | 93.9 | 94.5 | 95.7 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 1200 | 57.8 | 76.6 | 84.5 | 90.3 | 94.3 | 94.9 | 96.3 | 96.8 | 96.8 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 1000 | 58.0 | 76.8 | 85.1 | 91.0 | 95.2 | 95.8 | 97.4 | 97.8 | 97.8 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 900 | 58.0 | 76.8 | 85.1 | 91.0 | 95.2 | 95.8 | 97.5 | 98.2 | 98.2 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 800 | 58.0 | 76.9 | 85.2 | 91.1 | 95.3 | 95.9 | 97.7 | 98.6 | 98.6 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 700 | 58.0 | 77.1 | 85.4 | 91.3 | 95.5 | 96.1 | 98.2 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 600 | 58.0 | 77.1 | 85.4 | 91.3 | 95.5 | 96.1 | 98.2 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 500 | 58.0 | 77.1 | 85.4 | 91.3 | 95.5 | 96.1 | 98.2 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 400 | 58.0 | 77.1 | 85.4 | 91.3 | 95.5 | 96.1 | 98.2 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 300 | 58.0 | 77.1 | 85.4 | 91.3 | 95.5 | 96.1 | 98.2 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 200 | 58.0 | 77.1 | 85.4 | 91.3 | 95.5 | 96.1 | 98.2 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 100 | 58.0 | 77.1 | 85.4 | 91.3 | 95.5 | 96.1 | 98.2 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 0 | 58.0 | 77.1 | 85.4 | 91.3 | 95.5 | 96.1 | 98.2 | 99.0 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS 93

LOCAL CLIMATOLOGY BRANCH
METETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-227
STATION

ALERTOWN, NY

STATION NAME

74-83

YEARS

AUG
1988

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2188-2306

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 40.3 | 50.5 | 53.1 | 54.1 | 55.7 | 55.7 | 55.8 | 55.9 | 55.9 | 56.2 | 56.2 | 56.2 | 56.5 | 56.5 | 56.5 | 56.8 |
| ≥ 20000 | 43.7 | 56.2 | 59.4 | 60.4 | 62.0 | 62.0 | 62.2 | 62.3 | 62.3 | 62.6 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 63.1 |
| ≥ 18000 | 43.7 | 56.2 | 59.4 | 60.4 | 62.0 | 62.0 | 62.2 | 62.3 | 62.3 | 62.6 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 63.1 |
| ≥ 16000 | 43.7 | 56.2 | 59.4 | 60.4 | 62.0 | 62.0 | 62.2 | 62.3 | 62.3 | 62.6 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 63.1 |
| ≥ 14000 | 44.3 | 57.0 | 60.1 | 61.3 | 63.1 | 63.1 | 63.2 | 63.3 | 63.3 | 63.7 | 63.7 | 63.7 | 63.9 | 63.9 | 63.9 | 64.2 |
| ≥ 12000 | 45.3 | 58.1 | 61.8 | 63.1 | 64.8 | 64.8 | 64.9 | 65.1 | 65.1 | 65.4 | 65.4 | 65.4 | 65.6 | 65.6 | 65.6 | 65.9 |
| ≥ 10000 | 46.2 | 63.5 | 68.5 | 69.9 | 71.9 | 71.9 | 72.0 | 72.2 | 72.2 | 72.5 | 72.5 | 72.5 | 72.7 | 72.7 | 72.7 | 73.0 |
| ≥ 9000 | 46.2 | 64.1 | 69.0 | 70.4 | 72.5 | 72.5 | 72.6 | 72.7 | 72.7 | 73.0 | 73.0 | 73.0 | 73.2 | 73.2 | 73.2 | 73.5 |
| ≥ 8000 | 50.6 | 66.6 | 72.3 | 74.3 | 75.5 | 76.5 | 76.7 | 76.8 | 76.8 | 77.1 | 77.1 | 77.1 | 77.3 | 77.3 | 77.3 | 77.6 |
| ≥ 7000 | 51.1 | 67.7 | 73.5 | 75.7 | 77.8 | 77.8 | 78.1 | 78.2 | 78.2 | 78.5 | 78.5 | 78.5 | 78.7 | 78.7 | 78.7 | 79.0 |
| ≥ 6000 | 51.7 | 69.0 | 75.1 | 77.5 | 79.7 | 79.7 | 80.0 | 80.1 | 80.1 | 80.4 | 80.4 | 80.4 | 80.6 | 80.6 | 80.6 | 81.0 |
| ≥ 5000 | 52.5 | 71.2 | 77.6 | 80.6 | 82.9 | 82.9 | 83.2 | 83.3 | 83.3 | 83.7 | 83.7 | 83.7 | 83.9 | 83.9 | 83.9 | 84.2 |
| ≥ 4500 | 53.7 | 71.9 | 78.5 | 81.5 | 83.8 | 83.8 | 84.1 | 84.2 | 84.2 | 84.5 | 84.5 | 84.5 | 84.7 | 84.7 | 84.7 | 85.1 |
| ≥ 4000 | 55.2 | 74.4 | 81.3 | 84.3 | 86.7 | 86.7 | 87.0 | 87.1 | 87.1 | 87.5 | 87.5 | 87.5 | 87.7 | 87.7 | 87.7 | 88.1 |
| ≥ 3500 | 55.3 | 76.0 | 83.1 | 86.3 | 89.0 | 89.0 | 89.4 | 89.5 | 89.5 | 89.9 | 89.9 | 89.9 | 90.1 | 90.1 | 90.1 | 90.4 |
| ≥ 3000 | 56.3 | 77.6 | 85.2 | 88.7 | 91.5 | 91.5 | 91.8 | 91.9 | 91.9 | 92.4 | 92.4 | 92.4 | 92.6 | 92.6 | 92.6 | 92.9 |
| ≥ 2500 | 56.6 | 78.0 | 85.6 | 89.5 | 92.3 | 92.3 | 92.6 | 92.7 | 92.7 | 93.1 | 93.1 | 93.1 | 93.3 | 93.3 | 93.3 | 93.7 |
| ≥ 2000 | 56.6 | 78.5 | 86.2 | 90.2 | 93.2 | 93.2 | 93.5 | 93.7 | 93.7 | 94.1 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3 | 94.6 |
| ≥ 1800 | 56.6 | 78.7 | 86.6 | 90.6 | 93.9 | 93.9 | 94.2 | 94.3 | 94.3 | 94.7 | 94.7 | 94.7 | 94.9 | 94.9 | 94.9 | 95.3 |
| ≥ 1500 | 56.6 | 79.2 | 87.1 | 91.3 | 94.7 | 94.7 | 95.1 | 95.2 | 95.2 | 95.6 | 95.6 | 95.6 | 95.8 | 95.8 | 95.8 | 96.1 |
| ≥ 1200 | 56.7 | 79.8 | 88.1 | 92.5 | 96.2 | 96.2 | 96.6 | 96.7 | 96.7 | 97.1 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.6 |
| ≥ 1000 | 56.7 | 79.9 | 88.5 | 92.9 | 96.7 | 96.7 | 97.2 | 97.3 | 97.3 | 97.7 | 97.7 | 97.7 | 98.0 | 98.0 | 98.0 | 98.3 |
| ≥ 900 | 56.7 | 79.9 | 88.6 | 93.0 | 96.8 | 96.8 | 97.5 | 97.6 | 97.6 | 98.1 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.6 |
| ≥ 800 | 56.7 | 79.9 | 88.7 | 93.3 | 97.1 | 97.1 | 97.8 | 98.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 99.1 |
| ≥ 700 | 56.7 | 80.1 | 89.1 | 93.8 | 97.6 | 97.6 | 98.5 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.8 |
| ≥ 600 | 56.7 | 80.1 | 89.1 | 93.8 | 97.6 | 97.6 | 98.5 | 98.8 | 98.8 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 |
| ≥ 500 | 56.7 | 80.1 | 89.1 | 93.8 | 97.6 | 97.6 | 98.5 | 98.8 | 98.8 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 |
| ≥ 400 | 56.7 | 80.1 | 89.1 | 93.8 | 97.6 | 97.6 | 98.5 | 98.8 | 98.8 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 100.0 |
| ≥ 300 | 56.7 | 80.1 | 89.1 | 93.8 | 97.6 | 97.6 | 98.5 | 98.8 | 98.8 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 100.0 |
| ≥ 200 | 56.7 | 80.1 | 89.1 | 93.8 | 97.6 | 97.6 | 98.5 | 98.8 | 98.8 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 100.0 |
| ≥ 100 | 56.7 | 80.1 | 89.1 | 93.8 | 97.6 | 97.6 | 98.5 | 98.8 | 98.8 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 100.0 |
| ≥ 0 | 56.7 | 80.1 | 89.1 | 93.8 | 97.6 | 97.6 | 98.5 | 98.8 | 98.8 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-227
STATION

WATERLOO NY
STATION NAME

74-83
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1.0 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0 |
| NO CEILING | 35.7 | 44.4 | 46.7 | 48.6 | 50.4 | 50.6 | 50.8 | 50.9 | 50.9 | 51.2 | 51.2 | 51.2 | 51.3 | 51.3 | 51.3 | 51.5 |
| ≥20000 | 37.4 | 42.3 | 52.1 | 54.6 | 56.7 | 56.8 | 57.2 | 57.3 | 57.3 | 57.5 | 57.6 | 57.6 | 57.6 | 57.6 | 57.7 | 57.8 |
| ≥18000 | 39.4 | 49.4 | 52.1 | 54.6 | 56.7 | 56.8 | 57.2 | 57.3 | 57.3 | 57.5 | 57.6 | 57.6 | 57.6 | 57.6 | 57.7 | 57.9 |
| ≥16000 | 39.4 | 49.4 | 52.1 | 54.6 | 56.7 | 56.8 | 57.2 | 57.3 | 57.3 | 57.5 | 57.6 | 57.6 | 57.6 | 57.6 | 57.7 | 57.9 |
| ≥14000 | 39.7 | 49.7 | 52.5 | 55.0 | 57.2 | 57.4 | 57.8 | 57.8 | 57.8 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.3 | 58.4 |
| ≥12000 | 40.5 | 50.9 | 53.9 | 56.5 | 57.7 | 58.8 | 59.3 | 59.3 | 59.3 | 59.6 | 59.6 | 59.6 | 59.7 | 59.7 | 59.8 | 59.9 |
| ≥10000 | 42.9 | 54.4 | 57.9 | 60.8 | 63.3 | 63.5 | 63.9 | 64.0 | 64.0 | 64.2 | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.6 |
| ≥9000 | 43.1 | 54.8 | 58.4 | 61.4 | 64.7 | 64.1 | 64.6 | 64.6 | 64.6 | 64.9 | 64.9 | 64.9 | 65.0 | 65.0 | 65.1 | 65.2 |
| ≥8000 | 44.3 | 57.6 | 61.7 | 65.1 | 67.9 | 68.1 | 68.6 | 68.7 | 68.7 | 68.9 | 68.9 | 68.9 | 69.0 | 69.0 | 69.1 | 69.2 |
| ≥7000 | 45.3 | 58.3 | 62.5 | 66.1 | 69.8 | 69.0 | 69.5 | 69.6 | 69.6 | 69.9 | 69.9 | 69.9 | 70.0 | 70.0 | 70.1 | 70.2 |
| ≥6000 | 46.0 | 59.5 | 63.8 | 67.7 | 70.6 | 70.9 | 71.5 | 71.6 | 71.6 | 71.8 | 71.9 | 71.9 | 71.9 | 71.9 | 72.0 | 72.1 |
| ≥5000 | 47.0 | 61.4 | 66.1 | 70.3 | 73.5 | 73.8 | 74.4 | 74.5 | 74.5 | 74.8 | 74.8 | 74.8 | 74.9 | 74.9 | 75.0 | 75.1 |
| ≥4500 | 47.2 | 62.0 | 66.8 | 71.2 | 74.4 | 74.7 | 75.4 | 75.5 | 75.5 | 75.8 | 75.8 | 75.8 | 75.9 | 75.9 | 76.0 | 76.1 |
| ≥4000 | 48.7 | 64.2 | 69.4 | 74.1 | 77.6 | 78.0 | 78.7 | 78.9 | 78.9 | 79.2 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.6 |
| ≥3500 | 49.9 | 66.0 | 71.5 | 76.4 | 80.3 | 80.6 | 81.4 | 81.5 | 81.5 | 81.9 | 81.9 | 81.9 | 82.0 | 82.0 | 82.1 | 82.2 |
| ≥3000 | 50.8 | 68.0 | 74.0 | 79.2 | 83.2 | 83.6 | 84.4 | 84.6 | 84.6 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.2 | 85.3 |
| ≥2500 | 52.0 | 69.8 | 76.1 | 81.5 | 85.8 | 86.2 | 87.1 | 87.3 | 87.3 | 87.6 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 88.0 |
| ≥2000 | 52.6 | 71.1 | 78.0 | 83.9 | 88.4 | 88.8 | 89.8 | 90.1 | 90.1 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 | 90.7 | 90.8 |
| ≥1800 | 52.7 | 71.3 | 78.2 | 84.2 | 88.7 | 89.1 | 90.2 | 90.4 | 90.4 | 90.8 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.2 |
| ≥1500 | 53.2 | 72.5 | 79.6 | 85.6 | 90.3 | 90.6 | 92.0 | 92.3 | 92.3 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 93.0 | 93.1 |
| ≥1200 | 53.4 | 73.3 | 80.6 | 87.0 | 92.1 | 92.6 | 94.0 | 94.2 | 94.2 | 94.7 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 95.1 |
| ≥1000 | 53.5 | 73.9 | 81.6 | 88.1 | 93.4 | 93.9 | 95.5 | 95.9 | 95.9 | 96.4 | 96.5 | 96.5 | 96.6 | 96.6 | 96.7 | 96.8 |
| ≥900 | 53.5 | 74.0 | 81.7 | 88.3 | 93.6 | 94.1 | 95.7 | 96.2 | 96.2 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.2 |
| ≥800 | 53.6 | 74.1 | 81.9 | 88.5 | 93.9 | 94.5 | 96.1 | 96.7 | 96.8 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 |
| ≥700 | 53.6 | 74.2 | 82.1 | 88.8 | 94.3 | 94.9 | 96.6 | 97.3 | 97.3 | 97.9 | 98.0 | 98.0 | 98.1 | 98.1 | 98.2 | 98.3 |
| ≥600 | 53.6 | 74.3 | 82.2 | 89.0 | 94.6 | 95.1 | 96.9 | 97.6 | 97.6 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.5 | 98.7 |
| ≥500 | 53.6 | 74.5 | 82.4 | 89.2 | 95.0 | 95.5 | 97.3 | 98.0 | 98.1 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.3 |
| ≥400 | 53.6 | 74.5 | 82.5 | 89.3 | 95.0 | 95.6 | 97.4 | 98.2 | 98.2 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 |
| ≥300 | 53.6 | 74.5 | 82.5 | 89.4 | 95.1 | 95.7 | 97.6 | 98.3 | 98.4 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.7 |
| ≥200 | 53.6 | 74.5 | 82.5 | 89.4 | 95.1 | 95.7 | 97.6 | 98.3 | 98.4 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 |
| ≥100 | 53.6 | 74.5 | 82.5 | 89.4 | 95.1 | 95.7 | 97.6 | 98.3 | 98.4 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 |
| ≥0 | 53.6 | 74.5 | 82.5 | 89.4 | 95.1 | 95.7 | 97.6 | 98.3 | 98.4 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 7446

USAF ETAC FORM 10-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SF-VICE/MAC

CEILING VERSUS VISIBILITY

74-227

AIRPORT NY

STATION NAME

74-83

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 30.9 | 47.9 | 49.6 | 50.2 | 51.3 | 51.3 | 51.5 | 51.6 | 51.6 | 51.6 | 52.0 | 52.0 | 52.3 | 52.3 | 52.3 | 52.3 |
| ≥ 20000 | 41.2 | 50.8 | 52.9 | 53.6 | 55.1 | 55.1 | 55.3 | 55.4 | 55.4 | 55.6 | 55.8 | 55.8 | 56.2 | 56.2 | 56.2 | 56.2 |
| ≥ 18000 | 41.9 | 50.8 | 52.9 | 53.6 | 55.1 | 55.1 | 55.3 | 55.4 | 55.4 | 55.6 | 55.8 | 55.8 | 56.2 | 56.2 | 56.2 | 56.2 |
| ≥ 16000 | 41.9 | 50.8 | 52.9 | 53.6 | 55.1 | 55.1 | 55.3 | 55.4 | 55.4 | 55.6 | 55.8 | 55.8 | 56.2 | 56.2 | 56.2 | 56.2 |
| ≥ 14000 | 42.5 | 51.3 | 53.5 | 54.1 | 55.7 | 55.7 | 55.9 | 55.9 | 55.9 | 56.2 | 56.4 | 56.4 | 56.7 | 56.7 | 56.7 | 56.7 |
| ≥ 12000 | 43.2 | 52.2 | 54.4 | 55.0 | 56.6 | 56.6 | 56.7 | 56.8 | 56.8 | 57.0 | 57.3 | 57.3 | 57.6 | 57.6 | 57.6 | 57.6 |
| ≥ 10000 | 46.2 | 56.8 | 59.3 | 60.1 | 61.6 | 61.6 | 61.7 | 61.9 | 61.9 | 62.1 | 62.3 | 62.3 | 62.6 | 62.6 | 62.6 | 62.6 |
| ≥ 9000 | 46.3 | 57.2 | 59.6 | 60.4 | 62.0 | 62.0 | 62.1 | 62.2 | 62.2 | 62.4 | 62.6 | 62.6 | 63.0 | 63.0 | 63.0 | 63.0 |
| ≥ 8000 | 48.8 | 60.9 | 63.5 | 64.4 | 66.1 | 66.1 | 66.2 | 66.3 | 66.3 | 66.6 | 66.8 | 66.8 | 67.1 | 67.1 | 67.1 | 67.1 |
| ≥ 7000 | 49.2 | 61.4 | 64.1 | 65.2 | 66.9 | 66.9 | 67.0 | 67.1 | 67.1 | 67.3 | 67.6 | 67.6 | 67.9 | 67.9 | 67.9 | 67.9 |
| ≥ 6000 | 50.7 | 62.9 | 65.5 | 66.7 | 68.3 | 68.3 | 68.5 | 68.6 | 68.6 | 68.9 | 69.1 | 69.1 | 69.5 | 69.5 | 69.5 | 69.5 |
| ≥ 5000 | 52.9 | 67.2 | 69.9 | 71.0 | 72.9 | 72.9 | 73.0 | 73.2 | 73.2 | 73.5 | 73.7 | 73.7 | 74.0 | 74.0 | 74.0 | 74.0 |
| ≥ 4500 | 54.4 | 69.2 | 71.9 | 73.0 | 75.1 | 75.1 | 75.2 | 75.3 | 75.3 | 75.6 | 75.8 | 75.8 | 76.2 | 76.2 | 76.2 | 76.2 |
| ≥ 4000 | 57.3 | 72.6 | 75.3 | 76.5 | 78.5 | 78.5 | 78.7 | 78.9 | 78.9 | 79.2 | 79.4 | 79.4 | 79.8 | 79.8 | 79.8 | 79.8 |
| ≥ 3500 | 58.3 | 74.4 | 77.4 | 79.2 | 81.2 | 81.2 | 81.4 | 81.5 | 81.5 | 81.9 | 82.1 | 82.1 | 82.4 | 82.4 | 82.4 | 82.6 |
| ≥ 3000 | 59.5 | 77.0 | 80.4 | 82.3 | 84.6 | 84.6 | 85.1 | 85.2 | 85.2 | 85.6 | 85.8 | 85.8 | 86.1 | 86.1 | 86.1 | 86.4 |
| ≥ 2500 | 59.6 | 78.3 | 82.2 | 84.3 | 86.6 | 86.6 | 87.2 | 87.4 | 87.4 | 87.7 | 87.9 | 87.9 | 88.3 | 88.3 | 88.3 | 88.5 |
| ≥ 2000 | 60.2 | 79.6 | 83.7 | 86.0 | 88.6 | 88.6 | 89.4 | 89.5 | 89.5 | 89.9 | 90.2 | 90.2 | 90.6 | 90.6 | 90.6 | 90.8 |
| ≥ 1800 | 60.2 | 79.9 | 83.9 | 86.2 | 88.8 | 88.8 | 89.6 | 89.7 | 89.7 | 90.2 | 90.4 | 90.4 | 90.8 | 90.8 | 90.8 | 91.1 |
| ≥ 1500 | 60.4 | 80.6 | 84.7 | 87.1 | 89.9 | 89.9 | 91.2 | 91.3 | 91.3 | 91.7 | 91.9 | 91.9 | 92.4 | 92.4 | 92.4 | 92.6 |
| ≥ 1200 | 60.7 | 81.9 | 86.2 | 88.7 | 91.6 | 91.6 | 93.0 | 93.1 | 93.1 | 93.7 | 94.0 | 94.0 | 94.4 | 94.4 | 94.4 | 94.6 |
| ≥ 1000 | 60.7 | 82.2 | 86.7 | 89.1 | 92.3 | 92.3 | 93.6 | 93.7 | 93.7 | 94.4 | 94.6 | 94.6 | 95.1 | 95.1 | 95.1 | 95.3 |
| ≥ 900 | 60.9 | 82.7 | 87.2 | 89.8 | 93.3 | 93.3 | 94.6 | 94.7 | 94.7 | 95.4 | 95.6 | 95.6 | 96.1 | 96.1 | 96.1 | 96.3 |
| ≥ 800 | 60.9 | 82.9 | 87.5 | 90.2 | 93.7 | 93.7 | 95.1 | 95.4 | 95.4 | 96.2 | 96.4 | 96.4 | 96.9 | 96.9 | 96.9 | 97.1 |
| ≥ 700 | 60.9 | 83.1 | 87.8 | 90.5 | 94.2 | 94.2 | 95.5 | 95.9 | 95.9 | 96.6 | 96.9 | 96.9 | 97.3 | 97.3 | 97.3 | 97.5 |
| ≥ 600 | 60.9 | 83.1 | 88.0 | 90.7 | 94.6 | 94.6 | 96.2 | 96.5 | 96.5 | 97.3 | 97.5 | 97.5 | 98.0 | 98.0 | 98.0 | 98.2 |
| ≥ 500 | 60.9 | 83.1 | 88.1 | 90.9 | 95.0 | 95.1 | 96.5 | 97.0 | 97.0 | 97.8 | 98.0 | 98.0 | 98.4 | 98.4 | 98.4 | 98.7 |
| ≥ 400 | 60.9 | 83.2 | 88.3 | 91.1 | 95.4 | 95.5 | 97.0 | 97.8 | 97.8 | 98.5 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 |
| ≥ 300 | 60.9 | 83.2 | 88.3 | 91.1 | 95.4 | 95.5 | 97.1 | 97.9 | 97.9 | 98.7 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.7 |
| ≥ 200 | 60.9 | 83.2 | 88.3 | 91.1 | 95.4 | 95.5 | 97.1 | 97.9 | 97.9 | 98.7 | 99.0 | 99.0 | 99.6 | 99.6 | 99.6 | 99.8 |
| ≥ 100 | 60.9 | 83.2 | 88.3 | 91.1 | 95.4 | 95.5 | 97.1 | 97.9 | 97.9 | 98.7 | 99.0 | 99.0 | 99.6 | 99.6 | 99.6 | 99.8 |
| ≥ 0 | 60.9 | 83.2 | 88.3 | 91.1 | 95.4 | 95.5 | 97.1 | 97.9 | 97.9 | 98.7 | 99.0 | 99.0 | 99.6 | 99.6 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 894

FEDERAL CLIMATOLOGY BRANCH
METEOROLOGICAL
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227

ALBANY NY

74-83

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1.0 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.01 |
| NO CEILING | 37.5 | 44.5 | 46.2 | 47.3 | 48.7 | 48.7 | 48.9 | 49.0 | 49.0 | 49.0 | 49.2 | 49.2 | 49.3 | 49.6 | 49.9 | 50.0 |
| ≥ 20000 | 37.7 | 44.9 | 46.8 | 49.9 | 51.2 | 51.2 | 51.5 | 51.6 | 51.6 | 51.7 | 51.9 | 51.9 | 52.5 | 52.5 | 52.6 | 52.7 |
| ≥ 18000 | 37.7 | 46.9 | 48.8 | 49.9 | 51.2 | 51.2 | 51.5 | 51.6 | 51.6 | 51.7 | 51.9 | 51.9 | 52.5 | 52.5 | 52.6 | 52.7 |
| ≥ 16000 | 37.7 | 46.9 | 48.8 | 49.9 | 51.2 | 51.2 | 51.5 | 51.6 | 51.6 | 51.7 | 51.9 | 51.9 | 52.5 | 52.5 | 52.6 | 52.7 |
| ≥ 14000 | 37.1 | 47.3 | 49.2 | 51.3 | 51.7 | 51.7 | 51.9 | 52.0 | 52.0 | 52.1 | 52.3 | 52.3 | 52.9 | 52.9 | 53.0 | 53.1 |
| ≥ 12000 | 37.5 | 47.3 | 49.9 | 51.7 | 52.3 | 52.3 | 52.6 | 52.7 | 52.7 | 52.8 | 53.0 | 53.0 | 53.6 | 53.6 | 53.7 | 53.8 |
| ≥ 10000 | 42.2 | 51.5 | 53.4 | 54.6 | 55.9 | 55.9 | 56.2 | 56.3 | 56.3 | 56.4 | 56.6 | 56.6 | 57.2 | 57.2 | 57.3 | 57.4 |
| ≥ 9000 | 42.2 | 51.7 | 53.6 | 54.8 | 56.2 | 56.2 | 56.4 | 56.5 | 56.5 | 56.6 | 56.8 | 56.8 | 57.4 | 57.4 | 57.5 | 57.6 |
| ≥ 8000 | 43.2 | 54.0 | 56.0 | 57.4 | 58.7 | 58.7 | 58.9 | 59.1 | 59.1 | 59.2 | 59.4 | 59.4 | 60.0 | 60.0 | 60.1 | 60.2 |
| ≥ 7000 | 44.4 | 55.7 | 57.7 | 59.1 | 60.4 | 60.4 | 60.6 | 60.7 | 60.7 | 60.9 | 61.1 | 61.1 | 61.6 | 61.6 | 61.7 | 61.9 |
| ≥ 6000 | 45.2 | 56.7 | 58.7 | 60.1 | 61.4 | 61.4 | 61.6 | 61.7 | 61.7 | 61.9 | 62.1 | 62.1 | 62.6 | 62.6 | 62.8 | 62.9 |
| ≥ 5000 | 47.4 | 60.7 | 63.0 | 64.7 | 66.0 | 66.0 | 66.2 | 66.3 | 66.3 | 66.4 | 66.7 | 66.7 | 67.2 | 67.2 | 67.3 | 67.4 |
| ≥ 4500 | 47.1 | 62.9 | 65.1 | 66.8 | 68.1 | 68.1 | 68.3 | 68.5 | 68.5 | 68.6 | 68.8 | 68.8 | 69.4 | 69.4 | 69.5 | 69.6 |
| ≥ 4000 | 51.7 | 66.7 | 69.2 | 71.1 | 72.8 | 72.8 | 73.0 | 73.2 | 73.2 | 73.3 | 73.5 | 73.5 | 74.0 | 74.0 | 74.2 | 74.4 |
| ≥ 3500 | 53.4 | 69.5 | 72.1 | 74.3 | 76.7 | 76.7 | 76.2 | 76.3 | 76.3 | 76.4 | 76.6 | 76.6 | 77.2 | 77.2 | 77.4 | 77.6 |
| ≥ 3000 | 54.7 | 71.5 | 75.3 | 77.9 | 79.9 | 79.9 | 80.1 | 80.2 | 80.2 | 80.3 | 80.5 | 80.5 | 81.1 | 81.2 | 81.3 | 81.5 |
| ≥ 2500 | 55.3 | 74.3 | 77.5 | 80.2 | 82.1 | 82.2 | 82.7 | 82.8 | 82.8 | 82.9 | 83.1 | 83.1 | 83.6 | 83.9 | 84.0 | 84.2 |
| ≥ 2000 | 56.7 | 76.3 | 80.6 | 83.3 | 85.2 | 85.5 | 86.0 | 86.1 | 86.1 | 86.2 | 86.5 | 86.5 | 87.1 | 87.2 | 87.4 | 87.6 |
| ≥ 1800 | 56.5 | 77.0 | 81.4 | 84.1 | 86.0 | 86.2 | 86.8 | 86.9 | 86.9 | 87.0 | 87.2 | 87.2 | 87.9 | 88.0 | 88.1 | 88.4 |
| ≥ 1500 | 57.4 | 78.5 | 83.4 | 86.2 | 88.4 | 88.6 | 89.1 | 89.3 | 89.3 | 89.4 | 89.6 | 89.6 | 90.3 | 90.4 | 90.5 | 90.7 |
| ≥ 1200 | 57.6 | 80.0 | 85.1 | 88.1 | 90.4 | 90.7 | 91.3 | 91.4 | 91.4 | 91.5 | 91.7 | 91.7 | 92.4 | 92.5 | 92.6 | 92.8 |
| ≥ 1000 | 57.7 | 80.4 | 85.9 | 88.9 | 91.2 | 91.5 | 92.3 | 92.4 | 92.4 | 92.5 | 92.7 | 92.7 | 93.4 | 93.5 | 93.6 | 93.8 |
| ≥ 900 | 57.7 | 80.5 | 86.1 | 89.1 | 91.4 | 91.7 | 92.5 | 92.6 | 92.6 | 92.7 | 93.0 | 93.0 | 93.6 | 93.7 | 93.8 | 94.1 |
| ≥ 800 | 57.7 | 81.0 | 86.6 | 89.8 | 92.3 | 92.6 | 93.5 | 93.6 | 93.6 | 94.1 | 94.3 | 94.3 | 95.0 | 95.1 | 95.2 | 95.4 |
| ≥ 700 | 57.7 | 81.2 | 86.8 | 90.5 | 93.0 | 93.3 | 94.2 | 94.3 | 94.3 | 94.7 | 95.0 | 95.0 | 95.6 | 95.7 | 95.9 | 96.1 |
| ≥ 600 | 57.7 | 81.2 | 87.1 | 90.8 | 93.3 | 93.6 | 94.5 | 94.6 | 94.6 | 95.1 | 95.3 | 95.3 | 96.0 | 96.1 | 96.2 | 96.4 |
| ≥ 500 | 57.7 | 81.2 | 87.2 | 91.4 | 94.0 | 94.3 | 95.3 | 95.5 | 95.5 | 96.0 | 96.2 | 96.2 | 96.9 | 97.0 | 97.1 | 97.3 |
| ≥ 400 | 57.7 | 81.2 | 87.4 | 91.5 | 94.2 | 94.6 | 95.9 | 96.2 | 96.2 | 97.0 | 97.2 | 97.2 | 97.9 | 98.0 | 98.1 | 98.3 |
| ≥ 300 | 57.7 | 81.2 | 87.4 | 91.5 | 94.2 | 94.6 | 96.1 | 96.5 | 96.5 | 97.4 | 97.7 | 97.7 | 98.3 | 98.4 | 98.5 | 98.8 |
| ≥ 200 | 57.7 | 81.2 | 87.4 | 91.5 | 94.2 | 94.6 | 96.1 | 96.5 | 96.5 | 97.8 | 98.2 | 98.2 | 99.0 | 99.1 | 99.2 | 99.4 |
| ≥ 100 | 57.7 | 81.2 | 87.4 | 91.5 | 94.2 | 94.6 | 96.1 | 96.5 | 96.5 | 97.8 | 98.2 | 98.2 | 99.1 | 99.2 | 99.3 | 99.4 |
| ≥ 50 | 57.7 | 81.2 | 87.4 | 91.5 | 94.2 | 94.6 | 96.1 | 96.5 | 96.5 | 97.8 | 98.2 | 98.2 | 99.1 | 99.2 | 99.3 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS 894

U.S. AIR FORCE
CENTRAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227

WARTON, NY

STATION NAME

74-83

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

5600-8800

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| NO CEILING | 24.3 | 34.5 | 36.2 | 37.6 | 39.4 | 79.6 | 40.0 | 40.3 | 40.3 | 40.6 | 40.6 | 40.6 | 40.6 | 40.8 | 40.9 | 41.1 |
| ≥20000 | 30.1 | 37.1 | 39.6 | 41.3 | 43.3 | 43.7 | 44.0 | 44.3 | 44.3 | 44.8 | 44.8 | 44.8 | 44.8 | 45.0 | 45.0 | 45.3 |
| ≥18000 | 30.0 | 37.1 | 39.6 | 41.3 | 43.3 | 43.7 | 44.1 | 44.3 | 44.3 | 44.8 | 44.8 | 44.8 | 44.8 | 44.9 | 45.0 | 45.3 |
| ≥16000 | 30.0 | 37.1 | 39.6 | 41.3 | 43.3 | 43.7 | 44.0 | 44.3 | 44.3 | 44.8 | 44.8 | 44.8 | 44.8 | 44.9 | 45.0 | 45.3 |
| ≥14000 | 30.2 | 37.3 | 39.9 | 41.5 | 43.9 | 43.9 | 44.2 | 44.5 | 44.5 | 45.0 | 45.0 | 45.0 | 45.0 | 45.1 | 45.2 | 45.5 |
| ≥12000 | 31.6 | 39.0 | 41.5 | 43.4 | 45.4 | 45.8 | 46.1 | 46.4 | 46.4 | 46.9 | 46.9 | 46.9 | 46.9 | 47.0 | 47.1 | 47.4 |
| ≥10000 | 33.1 | 42.2 | 44.8 | 46.7 | 48.7 | 49.1 | 49.3 | 49.7 | 49.7 | 50.1 | 50.1 | 50.1 | 50.1 | 50.2 | 50.3 | 50.7 |
| ≥9000 | 33.1 | 42.2 | 44.8 | 46.7 | 48.7 | 49.1 | 49.3 | 49.7 | 49.7 | 50.1 | 50.1 | 50.1 | 50.1 | 50.2 | 50.3 | 50.7 |
| ≥8000 | 33.9 | 43.8 | 46.4 | 48.9 | 51.0 | 51.3 | 51.7 | 52.0 | 52.0 | 52.4 | 52.4 | 52.4 | 52.4 | 52.6 | 52.7 | 53.0 |
| ≥7000 | 34.1 | 44.8 | 47.4 | 50.0 | 52.1 | 52.6 | 52.9 | 53.2 | 53.2 | 53.8 | 53.8 | 53.8 | 53.8 | 54.0 | 54.1 | 54.5 |
| ≥6000 | 35.7 | 45.9 | 48.7 | 51.2 | 53.5 | 53.9 | 54.2 | 54.6 | 54.6 | 55.1 | 55.1 | 55.2 | 55.3 | 55.5 | 55.5 | 55.8 |
| ≥5000 | 37.9 | 49.3 | 52.2 | 55.2 | 57.3 | 57.8 | 58.1 | 58.5 | 58.5 | 59.2 | 59.2 | 59.1 | 59.2 | 59.4 | 59.4 | 59.7 |
| ≥4500 | 40.2 | 51.7 | 54.9 | 57.7 | 60.1 | 60.6 | 60.9 | 61.2 | 61.2 | 61.8 | 61.8 | 61.9 | 62.0 | 62.1 | 62.1 | 62.5 |
| ≥4000 | 42.1 | 55.3 | 58.9 | 62.7 | 65.7 | 66.4 | 66.7 | 67.0 | 67.0 | 67.7 | 67.7 | 67.8 | 67.9 | 68.2 | 68.3 | 68.6 |
| ≥3500 | 43.9 | 57.3 | 61.6 | 65.7 | 69.7 | 69.7 | 70.4 | 70.7 | 70.7 | 71.4 | 71.4 | 71.5 | 71.6 | 71.8 | 71.9 | 72.3 |
| ≥3000 | 46.3 | 60.5 | 65.1 | 69.6 | 73.7 | 74.5 | 75.2 | 75.5 | 75.5 | 76.2 | 76.2 | 76.3 | 76.4 | 76.6 | 76.7 | 77.1 |
| ≥2500 | 47.6 | 62.5 | 67.3 | 71.7 | 75.9 | 76.7 | 77.5 | 78.0 | 78.0 | 78.6 | 78.6 | 78.7 | 78.8 | 79.1 | 79.2 | 79.5 |
| ≥2000 | 48.9 | 65.3 | 70.4 | 75.5 | 80.0 | 81.0 | 81.7 | 82.2 | 82.2 | 82.9 | 82.9 | 83.0 | 83.1 | 83.3 | 83.4 | 83.7 |
| ≥1800 | 49.0 | 65.6 | 70.9 | 76.1 | 80.5 | 81.5 | 82.3 | 82.7 | 82.7 | 83.4 | 83.4 | 83.5 | 83.6 | 83.9 | 84.0 | 84.3 |
| ≥1600 | 50.1 | 67.8 | 73.3 | 79.2 | 83.9 | 85.0 | 85.7 | 86.3 | 86.3 | 87.1 | 87.1 | 87.2 | 87.4 | 87.6 | 87.8 | 88.1 |
| ≥1400 | 50.7 | 69.2 | 74.8 | 81.0 | 85.6 | 86.7 | 87.8 | 88.3 | 88.3 | 89.1 | 89.1 | 89.2 | 89.4 | 89.6 | 89.8 | 90.1 |
| ≥1200 | 51.0 | 69.7 | 75.7 | 82.2 | 87.3 | 88.8 | 89.9 | 90.6 | 90.6 | 91.4 | 91.4 | 91.5 | 91.9 | 92.1 | 92.2 | 92.5 |
| ≥1000 | 51.1 | 70.6 | 76.7 | 83.4 | 88.6 | 90.1 | 91.4 | 92.3 | 92.3 | 93.1 | 93.1 | 93.2 | 93.5 | 93.8 | 93.9 | 94.2 |
| ≥900 | 51.1 | 70.6 | 76.7 | 83.4 | 88.6 | 90.1 | 91.4 | 92.3 | 92.3 | 93.1 | 93.1 | 93.2 | 93.5 | 93.8 | 93.9 | 94.2 |
| ≥800 | 51.1 | 70.6 | 76.7 | 83.4 | 88.6 | 90.1 | 91.4 | 92.3 | 92.3 | 93.1 | 93.1 | 93.2 | 93.5 | 93.8 | 93.9 | 94.2 |
| ≥700 | 51.1 | 70.6 | 76.7 | 83.4 | 88.6 | 90.1 | 91.4 | 92.3 | 92.3 | 93.1 | 93.1 | 93.2 | 93.5 | 93.8 | 93.9 | 94.2 |
| ≥600 | 51.1 | 70.6 | 76.7 | 83.4 | 88.6 | 90.1 | 91.4 | 92.3 | 92.3 | 93.1 | 93.1 | 93.2 | 93.5 | 93.8 | 93.9 | 94.2 |
| ≥500 | 51.1 | 70.6 | 76.7 | 83.4 | 88.6 | 90.1 | 91.4 | 92.3 | 92.3 | 93.1 | 93.1 | 93.2 | 93.5 | 93.8 | 93.9 | 94.2 |
| ≥400 | 51.1 | 70.6 | 76.7 | 83.4 | 88.6 | 90.1 | 91.4 | 92.3 | 92.3 | 93.1 | 93.1 | 93.2 | 93.5 | 93.8 | 93.9 | 94.2 |
| ≥300 | 51.1 | 70.6 | 76.7 | 83.4 | 88.6 | 90.1 | 91.4 | 92.3 | 92.3 | 93.1 | 93.1 | 93.2 | 93.5 | 93.8 | 93.9 | 94.2 |
| ≥200 | 51.1 | 70.6 | 76.7 | 83.4 | 88.6 | 90.1 | 91.4 | 92.3 | 92.3 | 93.1 | 93.1 | 93.2 | 93.5 | 93.8 | 93.9 | 94.2 |
| ≥100 | 51.1 | 70.6 | 76.7 | 83.4 | 88.6 | 90.1 | 91.4 | 92.3 | 92.3 | 93.1 | 93.1 | 93.2 | 93.5 | 93.8 | 93.9 | 94.2 |
| ≥50 | 51.1 | 70.6 | 76.7 | 83.4 | 88.6 | 90.1 | 91.4 | 92.3 | 92.3 | 93.1 | 93.1 | 93.2 | 93.5 | 93.8 | 93.9 | 94.2 |

TOTAL NUMBER OF OBSERVATIONS 600

LOCAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227

WAIER TOWN NY

STATION NAME

74-83

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0800-1100

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ .1 | ≥ 0 |
| ≥ 20000 | 37.4 | 37.4 | 39.4 | 40.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 |
| ≥ 18000 | 34.4 | 40.8 | 42.6 | 43.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| ≥ 16000 | 34.4 | 40.8 | 42.6 | 44.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| ≥ 14000 | 35.1 | 41.4 | 43.3 | 44.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 12000 | 36.3 | 43.2 | 45.2 | 46.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 10000 | 37.1 | 46.1 | 48.2 | 50.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| ≥ 9000 | 37.3 | 46.3 | 48.4 | 50.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| ≥ 8000 | 41.0 | 46.3 | 50.4 | 52.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| ≥ 7000 | 41.2 | 49.3 | 51.7 | 53.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| ≥ 6000 | 42.4 | 50.2 | 52.6 | 54.7 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 5000 | 43.9 | 52.0 | 54.9 | 57.4 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| ≥ 4500 | 44.4 | 52.6 | 55.8 | 58.3 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| ≥ 4000 | 47.0 | 57.1 | 60.7 | 63.6 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| ≥ 3500 | 47.2 | 59.2 | 63.4 | 66.8 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| ≥ 3000 | 50.7 | 63.1 | 67.8 | 71.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| ≥ 2500 | 52.6 | 65.8 | 70.7 | 75.3 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| ≥ 2000 | 55.7 | 69.6 | 75.0 | 80.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| ≥ 1500 | 57.7 | 73.7 | 79.2 | 84.6 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 1000 | 59.9 | 75.1 | 81.8 | 86.8 | 90.6 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥ 900 | 60.3 | 75.9 | 82.1 | 88.2 | 92.7 | 92.9 | 93.0 | 93.2 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥ 800 | 67.4 | 76.4 | 83.8 | 89.0 | 93.4 | 93.8 | 93.9 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 700 | 67.4 | 76.9 | 83.6 | 89.8 | 94.4 | 94.6 | 95.2 | 95.4 | 95.4 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 600 | 67.7 | 77.7 | 84.6 | 91.0 | 95.8 | 96.1 | 96.6 | 96.8 | 96.8 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 500 | 67.9 | 76.1 | 85.4 | 92.1 | 96.9 | 97.7 | 98.4 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 400 | 67.9 | 76.1 | 85.4 | 92.1 | 97.2 | 98.1 | 99.0 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 300 | 67.9 | 76.1 | 85.4 | 92.1 | 97.2 | 98.0 | 99.1 | 99.3 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 67.9 | 76.1 | 85.4 | 92.1 | 97.2 | 98.0 | 99.1 | 99.3 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 67.9 | 76.1 | 85.4 | 92.1 | 97.2 | 98.0 | 99.1 | 99.3 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
ETAC
AIR FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-227

ATERTOWN, NY

STATION NAME

74-83

YEAR

1983

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-227-1490

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|-------|--------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| NO CEILING | 31.7 | 36.9 | 38.2 | 39.6 | 37.8 | 39.9 | 39.9 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 |
| ≥ 20000 | 34.7 | 41.8 | 43.6 | 45.7 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| IV 18000 | 34.9 | 41.3 | 43.6 | 45.7 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| IV 16000 | 35.1 | 41.9 | 43.7 | 45.8 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| IV 14000 | 35.3 | 42.3 | 44.1 | 46.3 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 |
| IV 12000 | 36.7 | 43.7 | 45.4 | 47.9 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| IV 10000 | 39.3 | 47.1 | 49.0 | 51.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| IV 9000 | 39.3 | 47.1 | 49.1 | 51.8 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| IV 8000 | 41.2 | 49.1 | 51.1 | 53.9 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| IV 7000 | 41.7 | 49.8 | 51.8 | 54.6 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| IV 6000 | 43.0 | 51.3 | 53.3 | 56.2 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| IV 5000 | 44.2 | 53.3 | 55.6 | 58.6 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| IV 4500 | 44.3 | 54.1 | 56.4 | 59.4 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| IV 4000 | 46.8 | 56.9 | 60.0 | 63.2 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| IV 3500 | 47.8 | 58.4 | 61.7 | 65.2 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| IV 3000 | 54.1 | 65.6 | 70.0 | 74.1 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| IV 2500 | 56.3 | 69.0 | 74.1 | 78.6 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| IV 2000 | 56.8 | 72.6 | 77.8 | 82.9 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| IV 1800 | 59.0 | 73.0 | 78.3 | 83.4 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| IV 1500 | 61.3 | 76.1 | 81.9 | 87.7 | 90.4 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| IV 1200 | 61.6 | 76.7 | 82.7 | 88.4 | 91.8 | 92.3 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| IV 1000 | 62.7 | 77.8 | 83.9 | 89.8 | 93.6 | 94.2 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| IV 900 | 67.0 | 77.8 | 83.9 | 89.8 | 93.6 | 94.3 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| IV 800 | 62.2 | 76.4 | 84.7 | 90.6 | 94.3 | 95.1 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| IV 700 | 62.2 | 79.3 | 85.7 | 91.7 | 95.4 | 96.3 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| IV 600 | 62.3 | 79.8 | 86.2 | 92.4 | 96.4 | 97.3 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| IV 500 | 62.3 | 79.8 | 86.2 | 92.4 | 96.8 | 98.1 | 99.2 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 62.3 | 79.8 | 86.2 | 92.4 | 96.8 | 98.1 | 99.2 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 62.3 | 79.8 | 86.2 | 92.4 | 96.8 | 98.1 | 99.2 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 62.3 | 79.8 | 86.2 | 92.4 | 96.8 | 98.1 | 99.2 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 62.3 | 79.8 | 86.2 | 92.4 | 96.8 | 98.1 | 99.2 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 62.3 | 79.8 | 86.2 | 92.4 | 96.8 | 98.1 | 99.2 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 999

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-227

AIRPORT, NY

STATION NAME

74-83

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1960-1966

| | | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|----|----------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 |
| 1 | 1000 | 47.4 | 44.4 | 40.1 | 43.1 | 43.4 | 43.0 | 43.4 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| 2 | 900 | 47.1 | 43.4 | 45.4 | 47.1 | 49.4 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 3 | 800 | 47.1 | 43.4 | 45.4 | 49.1 | 49.4 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 4 | 700 | 47.1 | 43.4 | 45.4 | 49.1 | 49.4 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 5 | 600 | 47.1 | 44.4 | 46.4 | 50.1 | 50.4 | 50.6 | 50.4 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| 6 | 500 | 47.1 | 46.1 | 48.1 | 52.1 | 52.4 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| 7 | 400 | 47.1 | 49.2 | 51.2 | 55.2 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| 8 | 300 | 41.2 | 47.6 | 51.6 | 55.6 | 55.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| 9 | 200 | 43.3 | 52.8 | 55.7 | 59.0 | 59.3 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| 10 | 100 | 43.3 | 53.4 | 55.7 | 59.7 | 60.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| 11 | 50 | 44.0 | 54.9 | 57.3 | 61.6 | 61.9 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| 12 | 20 | 46.3 | 57.6 | 60.0 | 64.7 | 65.0 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| 13 | 10 | 47.4 | 58.7 | 61.1 | 65.9 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| 14 | 5 | 49.8 | 61.7 | 64.7 | 70.1 | 70.8 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| 15 | 2 | 52.7 | 64.4 | 67.9 | 73.3 | 74.0 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 16 | 1 | 55.7 | 70.1 | 74.1 | 79.8 | 80.4 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| 17 | 0.5 | 59.8 | 73.7 | 77.9 | 84.0 | 85.1 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 18 | 0.2 | 59.4 | 75.3 | 79.9 | 86.3 | 87.9 | 88.4 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 19 | 0.1 | 59.7 | 75.7 | 80.2 | 86.7 | 88.2 | 88.8 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| 20 | 0.05 | 59.1 | 77.3 | 82.0 | 88.6 | 90.1 | 90.8 | 90.9 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 21 | 0.02 | 60.8 | 78.0 | 83.1 | 89.7 | 91.4 | 92.2 | 92.9 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| 22 | 0.01 | 61.0 | 79.1 | 84.3 | 90.9 | 92.8 | 93.6 | 94.2 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 23 | 0.005 | 61.1 | 79.3 | 84.7 | 91.2 | 93.1 | 94.0 | 94.7 | 94.8 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| 24 | 0.002 | 61.1 | 79.6 | 84.9 | 91.4 | 93.4 | 94.3 | 95.0 | 95.1 | 95.1 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| 25 | 0.001 | 61.1 | 79.7 | 85.2 | 92.0 | 94.0 | 95.2 | 96.0 | 96.1 | 96.1 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 26 | 0.0005 | 61.3 | 80.4 | 86.2 | 93.0 | 95.1 | 96.3 | 97.1 | 97.3 | 97.3 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| 27 | 0.0002 | 61.3 | 80.8 | 86.7 | 93.6 | 95.7 | 97.1 | 98.2 | 98.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 28 | 0.0001 | 61.3 | 80.8 | 86.7 | 93.6 | 95.9 | 97.3 | 98.6 | 99.0 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 29 | 0.00005 | 61.3 | 80.8 | 86.7 | 93.9 | 96.0 | 97.6 | 98.8 | 99.2 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 30 | 0.00002 | 61.3 | 80.8 | 86.7 | 93.9 | 96.0 | 97.7 | 98.9 | 99.3 | 99.3 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 31 | 0.00001 | 61.3 | 80.8 | 86.7 | 93.9 | 96.0 | 97.7 | 98.9 | 99.3 | 99.3 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 32 | 0.000005 | 61.3 | 80.8 | 86.7 | 93.9 | 96.0 | 97.7 | 98.9 | 99.3 | 99.3 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 900

UNITED STATES AIR FORCE
 AIR WEATHER SERVICE/AMC

CEILING VERSUS VISIBILITY

17-0227

ALBERTA, NY

STATION NAME

74-83

STATE

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-2000

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|-------|------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ 0 |
| 20000 | 31.9 | 43.1 | 47.1 | 46.4 | 47.1 | 47.1 | 47.1 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 |
| 18000 | 32.8 | 47.6 | 51.4 | 52.7 | 53.3 | 53.3 | 53.4 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| 16000 | 31.9 | 47.6 | 51.4 | 52.7 | 53.3 | 53.3 | 53.4 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| 14000 | 47.1 | 47.6 | 51.4 | 52.7 | 53.3 | 54.1 | 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| 12000 | 47.1 | 47.6 | 51.4 | 52.7 | 53.3 | 54.1 | 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| 10000 | 43.1 | 51.1 | 56.1 | 59.1 | 59.7 | 59.7 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| 8000 | 43.1 | 51.1 | 56.1 | 59.1 | 59.7 | 59.7 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| 6000 | 46.1 | 56.1 | 61.3 | 64.3 | 65.1 | 65.1 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| 4000 | 46.1 | 56.1 | 61.3 | 64.3 | 65.1 | 65.1 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| 2000 | 47.1 | 60.2 | 63.5 | 66.6 | 67.2 | 67.2 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| 1000 | 50.6 | 63.9 | 68.1 | 71.6 | 72.3 | 72.3 | 72.4 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| 500 | 51.8 | 64.9 | 69.2 | 72.8 | 73.6 | 73.6 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| 250 | 53.3 | 67.6 | 72.2 | 76.1 | 77.1 | 77.1 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 100 | 55.4 | 70.1 | 75.0 | 79.2 | 80.3 | 80.3 | 80.4 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| 50 | 57.0 | 73.7 | 78.9 | 83.1 | 84.2 | 84.3 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 25 | 58.6 | 76.1 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 10 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 5 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 2 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 1 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.5 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.25 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.15 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.1 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.05 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.025 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.01 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.005 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.0025 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.001 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.0005 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.00025 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.0001 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.00005 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.000025 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 0.00001 | 59.1 | 76.2 | 81.4 | 85.9 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |

TOTAL NUMBER OF OBSERVATIONS 936

U.S. AIR FORCE
CLIMATE BRANCH
METEOROLOGICAL
AIR WEATHER SERVICE /MAC

CEILING VERSUS VISIBILITY

10-227

WATERLOO, NY

STATION NAME

74-33

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

162-2300

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|------|-------|------|-------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ .1 | ≥ 0 |
| NO CEILING | 40.1 | 40.4 | 50.4 | 51.2 | 51.9 | 51.9 | 52.0 | 52.0 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.6 |
| ≥ 20000 | 42.1 | 52.4 | 53.9 | 54.8 | 55.4 | 55.4 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 56.1 |
| ≥ 18000 | 42.1 | 52.4 | 53.9 | 54.8 | 55.4 | 55.4 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 56.1 |
| ≥ 16000 | 42.1 | 52.4 | 53.9 | 54.8 | 55.4 | 55.4 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 56.1 |
| ≥ 14000 | 43.3 | 53.1 | 54.6 | 55.8 | 56.7 | 56.7 | 56.9 | 56.9 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.4 |
| ≥ 12000 | 44.1 | 54.2 | 55.8 | 57.1 | 57.9 | 57.9 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.7 |
| ≥ 10000 | 47.4 | 58.9 | 60.3 | 62.0 | 63.2 | 63.2 | 63.4 | 63.4 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 64.0 |
| ≥ 9000 | 47.9 | 59.4 | 61.4 | 62.7 | 63.9 | 63.9 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.7 |
| ≥ 8000 | 49.6 | 62.6 | 64.7 | 66.1 | 67.3 | 67.3 | 67.6 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 68.1 |
| ≥ 7000 | 49.9 | 62.9 | 65.0 | 66.4 | 67.7 | 67.7 | 67.9 | 67.9 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.4 |
| ≥ 6000 | 50.4 | 63.9 | 66.0 | 67.9 | 69.2 | 69.2 | 69.4 | 69.4 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 70.0 |
| ≥ 5000 | 52.5 | 67.6 | 69.9 | 71.8 | 73.1 | 73.1 | 73.3 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.9 |
| ≥ 4500 | 53.7 | 69.2 | 71.7 | 73.7 | 75.1 | 75.1 | 75.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.9 |
| ≥ 4000 | 56.1 | 72.4 | 75.4 | 78.0 | 79.6 | 79.6 | 79.8 | 79.8 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.4 |
| ≥ 3500 | 57.9 | 75.7 | 78.9 | 81.4 | 83.2 | 83.2 | 83.6 | 83.6 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 84.2 |
| ≥ 3000 | 59.3 | 78.4 | 82.2 | 85.1 | 86.8 | 86.8 | 87.2 | 87.2 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 88.0 |
| ≥ 2500 | 59.6 | 79.8 | 83.7 | 86.4 | 88.3 | 88.3 | 88.8 | 88.8 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.6 |
| ≥ 2000 | 59.9 | 81.3 | 85.4 | 88.7 | 90.8 | 90.8 | 91.3 | 91.3 | 91.4 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 92.2 |
| ≥ 1800 | 60.1 | 81.8 | 85.9 | 89.2 | 91.3 | 91.3 | 91.9 | 92.0 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.8 |
| ≥ 1500 | 60.3 | 82.1 | 86.9 | 90.6 | 92.9 | 92.9 | 93.9 | 94.0 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.9 |
| ≥ 1200 | 60.6 | 82.7 | 87.4 | 91.1 | 93.7 | 93.7 | 94.7 | 94.8 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.7 |
| ≥ 1000 | 60.6 | 83.4 | 88.2 | 91.9 | 94.7 | 94.7 | 95.7 | 95.8 | 95.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 97.0 |
| ≥ 900 | 60.6 | 83.6 | 88.3 | 92.0 | 94.8 | 94.8 | 95.8 | 95.9 | 96.0 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 97.1 |
| ≥ 800 | 60.6 | 83.9 | 88.7 | 92.3 | 95.4 | 95.4 | 96.4 | 96.6 | 96.7 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 98.1 |
| ≥ 700 | 60.6 | 84.1 | 88.8 | 92.4 | 95.7 | 95.7 | 96.8 | 96.9 | 97.0 | 97.4 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.3 |
| ≥ 600 | 60.7 | 84.3 | 89.1 | 92.9 | 96.1 | 96.1 | 97.2 | 97.3 | 97.4 | 97.9 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.8 |
| ≥ 500 | 60.7 | 84.4 | 89.4 | 93.2 | 96.7 | 96.7 | 98.0 | 98.1 | 98.2 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.6 |
| ≥ 400 | 60.7 | 84.4 | 89.6 | 93.3 | 96.7 | 96.9 | 98.3 | 98.4 | 98.6 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.9 |
| ≥ 300 | 60.7 | 84.4 | 89.6 | 93.3 | 96.9 | 96.9 | 98.3 | 98.4 | 98.6 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.9 |
| ≥ 200 | 60.7 | 84.4 | 89.6 | 93.3 | 96.9 | 96.9 | 98.3 | 98.4 | 98.6 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 100.0 |
| ≥ 100 | 60.7 | 84.4 | 89.6 | 93.3 | 96.9 | 96.9 | 98.3 | 98.4 | 98.6 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 100.0 |
| ≥ 0 | 60.7 | 84.4 | 89.6 | 93.3 | 96.9 | 96.9 | 98.3 | 98.4 | 98.6 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 920

LOCAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 2027 STATION NAME WERTON, NY YEAR 74-83

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 37.1 | 41.6 | 43.1 | 44.5 | 45.4 | 45.4 | 45.5 | 45.6 | 45.6 | 45.7 | 45.7 | 45.7 | 45.9 | 45.9 | 45.9 | 46.0 |
| ≥20000 | 37.3 | 45.1 | 47.1 | 48.7 | 49.8 | 49.9 | 50.0 | 50.1 | 50.1 | 50.2 | 50.3 | 50.3 | 50.4 | 50.4 | 50.4 | 50.5 |
| ≥18000 | 37.3 | 45.1 | 47.1 | 48.9 | 49.9 | 49.9 | 50.0 | 50.1 | 50.1 | 50.2 | 50.3 | 50.3 | 50.4 | 50.4 | 50.4 | 50.5 |
| ≥16000 | 37.4 | 45.1 | 47.2 | 48.9 | 49.9 | 49.9 | 50.0 | 50.1 | 50.1 | 50.2 | 50.3 | 50.3 | 50.4 | 50.4 | 50.4 | 50.5 |
| ≥14000 | 37.8 | 45.7 | 47.7 | 49.8 | 50.9 | 50.9 | 50.7 | 50.8 | 50.8 | 50.9 | 51.0 | 51.0 | 51.1 | 51.1 | 51.1 | 51.2 |
| ≥12000 | 38.9 | 46.9 | 49.1 | 51.0 | 52.0 | 52.0 | 52.1 | 52.2 | 52.2 | 52.3 | 52.4 | 52.4 | 52.5 | 52.5 | 52.6 | 52.7 |
| ≥10000 | 41.4 | 50.6 | 52.3 | 54.9 | 55.9 | 56.1 | 56.1 | 56.2 | 56.2 | 56.3 | 56.4 | 56.4 | 56.5 | 56.5 | 56.5 | 56.6 |
| ≥9000 | 41.5 | 50.8 | 53.1 | 55.1 | 56.2 | 56.4 | 56.4 | 56.5 | 56.5 | 56.6 | 56.6 | 56.6 | 56.7 | 56.8 | 56.8 | 56.9 |
| ≥8000 | 43.4 | 53.7 | 56.1 | 58.3 | 59.4 | 59.4 | 59.4 | 59.6 | 59.7 | 59.8 | 59.8 | 59.8 | 59.9 | 59.9 | 60.0 | 60.1 |
| ≥7000 | 44.1 | 54.5 | 56.9 | 59.2 | 60.3 | 60.4 | 60.5 | 60.6 | 60.6 | 60.7 | 60.8 | 60.8 | 60.9 | 60.9 | 61.0 | 61.1 |
| ≥6000 | 44.4 | 55.7 | 58.2 | 60.5 | 61.7 | 61.8 | 61.9 | 62.0 | 62.0 | 62.1 | 62.2 | 62.2 | 62.3 | 62.3 | 62.4 | 62.5 |
| ≥5000 | 47.1 | 56.9 | 61.7 | 64.3 | 65.5 | 65.8 | 65.7 | 65.8 | 65.8 | 66.0 | 66.3 | 66.3 | 66.2 | 66.2 | 66.2 | 66.3 |
| ≥4500 | 48.1 | 58.4 | 63.2 | 65.9 | 67.2 | 67.3 | 67.4 | 67.5 | 67.5 | 67.6 | 67.7 | 67.7 | 67.8 | 67.8 | 67.9 | 68.0 |
| ≥4000 | 50.6 | 63.8 | 67.0 | 70.2 | 71.7 | 71.8 | 72.1 | 72.1 | 72.1 | 72.3 | 72.3 | 72.4 | 72.4 | 72.5 | 72.5 | 72.6 |
| ≥3500 | 52.1 | 66.1 | 69.7 | 73.1 | 74.8 | 74.9 | 75.1 | 75.2 | 75.2 | 75.4 | 75.5 | 75.5 | 75.6 | 75.6 | 75.7 | 75.8 |
| ≥3000 | 54.1 | 70.1 | 74.2 | 77.9 | 79.8 | 80.1 | 80.2 | 80.3 | 80.3 | 80.5 | 80.5 | 80.6 | 80.7 | 80.7 | 80.8 | 80.9 |
| ≥2500 | 51.2 | 72.4 | 76.8 | 80.8 | 83.1 | 83.1 | 83.5 | 83.6 | 83.6 | 83.7 | 83.8 | 83.8 | 83.9 | 84.0 | 84.0 | 84.2 |
| ≥2000 | 57.3 | 74.6 | 79.9 | 83.3 | 86.3 | 86.6 | 87.0 | 87.2 | 87.2 | 87.4 | 87.4 | 87.4 | 87.6 | 87.6 | 87.7 | 87.8 |
| ≥1800 | 57.9 | 75.1 | 81.0 | 84.4 | 86.9 | 87.2 | 87.6 | 87.7 | 87.7 | 87.9 | 87.9 | 87.9 | 88.1 | 88.1 | 88.2 | 88.3 |
| ≥1600 | 58.4 | 76.9 | 82.1 | 86.8 | 89.5 | 89.9 | 90.4 | 90.6 | 90.6 | 90.8 | 90.9 | 90.9 | 91.0 | 91.1 | 91.1 | 91.3 |
| ≥1400 | 58.1 | 77.9 | 83.3 | 88.1 | 91.0 | 91.5 | 92.2 | 92.4 | 92.4 | 92.7 | 92.7 | 92.7 | 92.9 | 92.9 | 93.0 | 93.1 |
| ≥1200 | 58.3 | 78.7 | 84.2 | 89.1 | 92.3 | 92.6 | 93.7 | 93.9 | 93.9 | 94.3 | 94.3 | 94.4 | 94.6 | 94.6 | 94.7 | 94.8 |
| ≥1000 | 58.4 | 78.9 | 84.5 | 89.5 | 92.7 | 93.3 | 94.1 | 94.3 | 94.3 | 94.7 | 94.8 | 94.8 | 95.0 | 95.0 | 95.1 | 95.2 |
| ≥900 | 58.4 | 78.7 | 85.0 | 90.0 | 93.4 | 94.0 | 94.9 | 95.2 | 95.2 | 95.7 | 95.8 | 95.8 | 96.0 | 96.0 | 96.1 | 96.2 |
| ≥800 | 58.4 | 79.6 | 85.4 | 90.6 | 94.1 | 94.7 | 95.7 | 96.0 | 96.0 | 96.5 | 96.6 | 96.6 | 96.8 | 96.9 | 96.9 | 97.0 |
| ≥700 | 58.5 | 80.0 | 85.9 | 91.2 | 94.8 | 95.4 | 96.5 | 96.8 | 96.8 | 97.4 | 97.5 | 97.5 | 97.6 | 97.7 | 97.7 | 97.9 |
| ≥600 | 58.5 | 80.0 | 86.1 | 91.6 | 95.3 | 96.0 | 97.2 | 97.7 | 97.7 | 98.3 | 98.4 | 98.4 | 98.6 | 98.7 | 98.7 | 98.8 |
| ≥500 | 58.5 | 80.0 | 86.1 | 91.7 | 95.5 | 96.3 | 97.7 | 98.2 | 98.2 | 99.0 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.5 |
| ≥400 | 58.5 | 80.0 | 86.1 | 91.7 | 95.5 | 96.3 | 97.8 | 98.4 | 98.4 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 |
| ≥300 | 58.5 | 80.0 | 86.1 | 91.7 | 95.5 | 96.3 | 97.8 | 98.4 | 98.4 | 99.2 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.9 |
| ≥200 | 58.5 | 80.0 | 86.1 | 91.7 | 95.5 | 96.3 | 97.8 | 98.4 | 98.4 | 99.2 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.9 |
| ≥100 | 58.5 | 80.0 | 86.1 | 91.7 | 95.5 | 96.3 | 97.8 | 98.4 | 98.4 | 99.2 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.9 |
| ≥50 | 58.5 | 80.0 | 86.1 | 91.7 | 95.5 | 96.3 | 97.8 | 98.4 | 98.4 | 99.2 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 7164

GLOBAL CLIMATOLOGY BRANCH
 SAETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 74-33 YEAR 1957
 STATION NAME ATERTOWN NY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

050-0201

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| ≥20000 | 40.3 | 46.7 | 47.1 | 47.5 | 47.6 | 47.6 | 48.0 | 48.1 | 48.0 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| 18000 | 42.4 | 48.8 | 49.1 | 49.7 | 49.8 | 49.8 | 50.1 | 50.1 | 50.1 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| 16000 | 42.4 | 48.8 | 49.1 | 49.7 | 49.8 | 49.8 | 50.1 | 50.1 | 50.1 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| 14000 | 42.4 | 48.8 | 49.1 | 49.7 | 49.8 | 49.8 | 50.1 | 50.1 | 50.1 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| 12000 | 43.7 | 51.2 | 51.5 | 52.1 | 52.2 | 52.2 | 52.5 | 52.5 | 52.5 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| 10000 | 47.7 | 53.3 | 53.7 | 54.2 | 54.3 | 54.3 | 54.6 | 54.6 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| 8000 | 47.4 | 53.4 | 53.8 | 54.3 | 54.4 | 54.4 | 54.7 | 54.7 | 54.7 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| 6000 | 47.1 | 55.6 | 55.9 | 56.5 | 56.5 | 56.6 | 56.9 | 56.9 | 56.9 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 |
| 4500 | 47.2 | 55.9 | 56.2 | 56.8 | 56.9 | 56.9 | 57.2 | 57.2 | 57.2 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| 3000 | 50.2 | 57.7 | 60.2 | 60.3 | 60.9 | 60.9 | 61.2 | 61.2 | 61.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| 1500 | 64.5 | 65.5 | 66.3 | 66.9 | 67.3 | 67.3 | 67.5 | 67.6 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| 1000 | 67.1 | 68.7 | 69.7 | 70.3 | 70.9 | 70.9 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| 500 | 69.2 | 71.2 | 72.2 | 72.8 | 73.4 | 73.4 | 73.9 | 73.9 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| 200 | 64.1 | 79.2 | 80.6 | 81.3 | 82.2 | 82.2 | 82.5 | 82.5 | 82.5 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| 100 | 65.0 | 82.4 | 84.0 | 84.8 | 85.4 | 85.4 | 85.9 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| 50 | 67.1 | 85.9 | 87.6 | 88.3 | 89.2 | 89.2 | 89.7 | 89.8 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 25 | 67.3 | 86.5 | 88.2 | 89.1 | 90.2 | 90.2 | 90.6 | 90.8 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| 12.5 | 67.6 | 87.1 | 89.4 | 90.3 | 91.6 | 91.6 | 92.0 | 92.2 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| 6.25 | 67.7 | 87.8 | 90.2 | 91.6 | 92.9 | 92.9 | 93.3 | 93.4 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 |
| 3.125 | 67.8 | 88.2 | 91.8 | 92.3 | 93.5 | 93.5 | 94.0 | 94.1 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 |
| 1.5625 | 67.8 | 88.3 | 91.9 | 92.4 | 93.7 | 93.7 | 94.1 | 94.2 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 |
| 0.78125 | 67.9 | 88.6 | 91.2 | 92.7 | 94.0 | 94.0 | 94.4 | 94.6 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.1 | 95.1 |
| 0.390625 | 67.8 | 89.0 | 91.6 | 93.2 | 94.8 | 94.9 | 95.5 | 95.7 | 95.8 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 |
| 0.1953125 | 67.8 | 89.4 | 92.7 | 93.7 | 95.4 | 95.5 | 96.0 | 96.2 | 96.3 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 |
| 0.09765625 | 67.8 | 89.9 | 92.9 | 94.4 | 96.8 | 96.9 | 97.6 | 98.0 | 98.1 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 |
| 0.048828125 | 67.8 | 89.9 | 92.8 | 94.5 | 97.1 | 97.2 | 98.2 | 98.5 | 98.6 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| 0.0244140625 | 67.8 | 89.9 | 92.8 | 94.5 | 97.1 | 97.2 | 98.2 | 98.6 | 98.7 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 |
| 0.01220703125 | 67.8 | 89.9 | 92.8 | 94.5 | 97.1 | 97.2 | 98.2 | 98.6 | 98.7 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 |
| 0.006103515625 | 67.8 | 89.9 | 92.8 | 94.5 | 97.1 | 97.2 | 98.2 | 98.6 | 98.7 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 93

CLIMATE CLIMATOLOGY BRANCH
METAC
EAT OR SERVICE/AC

CEILING VERSUS VISIBILITY

STATION 227 MATTERSON NY STATION NAME 24-83 YEAR 1961

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0-200-0500

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|---------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 | ≥0.0025 |
| ≥10000 | 47.1 | 45.2 | 46.9 | 47.3 | 47.2 | 46.2 | 45.5 | 46.7 | 45.7 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥8000 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥6000 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥4000 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥2000 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥1000 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥800 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥600 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥400 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥200 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥100 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥80 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥60 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥40 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥20 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥10 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥5 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥2.5 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥1.5 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥1 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥0.5 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥0.25 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥0.1 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥0.05 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥0.025 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥0.01 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥0.005 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |
| ≥0.0025 | 47.1 | 45.4 | 47.0 | 47.4 | 47.3 | 46.3 | 45.6 | 46.8 | 45.8 | 49.1 | 49.1 | 49.1 | 49.0 | 49.0 | 49.1 | 49.4 | 49.4 |

TOTAL NUMBER OF OBSERVATIONS 42

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
 WAFETAC
 AIRCRAFT SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 74-83 STATION NAME WATERTOWN NY YEARS 3CT MONTH 0600-0800

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 31.3 | 35.3 | 37.4 | 38.2 | 39.2 | 39.2 | 39.2 | 39.4 | 39.4 | 39.6 | 39.6 | 39.6 | 39.9 | 40.1 | 40.2 | 40.5 |
| ≥ 20000 | 33.3 | 39.1 | 40.2 | 41.1 | 41.9 | 41.9 | 42.2 | 42.3 | 42.3 | 42.5 | 42.5 | 42.5 | 42.8 | 43.0 | 43.1 | 43.4 |
| W 18000 | 33.3 | 39.2 | 40.3 | 41.2 | 42.0 | 42.0 | 42.3 | 42.4 | 42.4 | 42.6 | 42.6 | 42.6 | 42.9 | 43.1 | 43.2 | 43.5 |
| W 16000 | 34.3 | 39.4 | 40.4 | 41.3 | 42.2 | 42.2 | 42.4 | 42.5 | 42.5 | 42.7 | 42.7 | 42.7 | 43.0 | 43.2 | 43.3 | 43.7 |
| W 14000 | 34.4 | 39.9 | 41.0 | 41.8 | 42.7 | 42.7 | 42.9 | 43.0 | 43.0 | 43.2 | 43.2 | 43.2 | 43.5 | 43.8 | 43.9 | 44.2 |
| W 12000 | 34.3 | 40.9 | 42.0 | 42.9 | 43.8 | 43.8 | 44.1 | 44.2 | 44.2 | 44.4 | 44.4 | 44.4 | 44.7 | 44.9 | 45.1 | 45.4 |
| W 10000 | 35.1 | 42.7 | 44.1 | 45.1 | 46.2 | 46.2 | 46.6 | 46.7 | 46.7 | 46.9 | 47.0 | 47.0 | 47.3 | 47.5 | 47.6 | 48.0 |
| W 9000 | 35.3 | 42.9 | 44.2 | 45.3 | 46.5 | 46.5 | 46.8 | 46.9 | 46.9 | 47.1 | 47.2 | 47.2 | 47.5 | 47.7 | 47.8 | 48.2 |
| W 8000 | 35.4 | 45.4 | 46.9 | 48.2 | 49.5 | 49.5 | 49.8 | 49.9 | 49.9 | 50.1 | 50.2 | 50.2 | 50.5 | 50.8 | 50.9 | 51.3 |
| W 7000 | 35.3 | 46.6 | 48.1 | 49.4 | 50.6 | 50.6 | 51.0 | 51.1 | 51.1 | 51.3 | 51.4 | 51.4 | 51.7 | 51.9 | 52.0 | 52.5 |
| W 6000 | 40.2 | 46.3 | 50.1 | 51.6 | 53.7 | 53.7 | 53.3 | 53.4 | 53.4 | 53.7 | 53.8 | 53.8 | 54.1 | 54.3 | 54.4 | 54.8 |
| W 5000 | 42.3 | 51.9 | 54.0 | 55.5 | 56.9 | 56.9 | 57.2 | 57.3 | 57.3 | 57.5 | 57.6 | 57.6 | 58.0 | 58.2 | 58.3 | 58.7 |
| W 4500 | 44.0 | 54.2 | 56.2 | 57.7 | 59.1 | 59.1 | 59.5 | 59.6 | 59.6 | 59.8 | 59.9 | 59.9 | 60.2 | 60.4 | 60.5 | 61.0 |
| W 4000 | 47.9 | 58.1 | 60.5 | 62.3 | 63.7 | 63.7 | 64.0 | 64.1 | 64.1 | 64.3 | 64.4 | 64.4 | 64.7 | 64.9 | 65.1 | 65.5 |
| W 3500 | 50.8 | 62.3 | 64.8 | 66.7 | 68.2 | 68.2 | 68.5 | 68.6 | 68.6 | 68.8 | 68.9 | 68.9 | 69.2 | 69.5 | 69.6 | 70.0 |
| W 3000 | 52.3 | 65.2 | 68.0 | 70.2 | 72.0 | 72.0 | 72.5 | 72.6 | 72.6 | 72.8 | 72.9 | 72.9 | 73.2 | 73.4 | 73.5 | 74.0 |
| W 2500 | 54.3 | 70.1 | 73.4 | 75.8 | 77.6 | 77.6 | 78.1 | 78.2 | 78.2 | 78.4 | 78.5 | 78.5 | 78.8 | 79.0 | 79.1 | 79.6 |
| W 2000 | 55.6 | 73.2 | 77.1 | 79.9 | 82.0 | 82.0 | 82.7 | 82.8 | 82.8 | 83.0 | 83.1 | 83.1 | 83.4 | 83.7 | 83.8 | 84.2 |
| W 1800 | 57.1 | 73.8 | 77.8 | 80.8 | 83.0 | 83.1 | 83.7 | 83.8 | 83.8 | 84.0 | 84.1 | 84.1 | 84.4 | 84.6 | 84.7 | 85.2 |
| W 1500 | 57.7 | 76.7 | 81.1 | 84.5 | 86.9 | 87.0 | 87.7 | 87.8 | 87.8 | 88.1 | 88.2 | 88.2 | 88.5 | 88.7 | 88.8 | 89.2 |
| W 1200 | 57.4 | 77.6 | 82.4 | 86.0 | 88.5 | 88.9 | 89.9 | 90.0 | 90.0 | 90.2 | 90.3 | 90.3 | 90.6 | 90.9 | 91.0 | 91.4 |
| W 1000 | 57.7 | 78.5 | 83.3 | 87.0 | 89.5 | 90.1 | 91.2 | 91.4 | 91.4 | 91.9 | 92.0 | 92.0 | 92.4 | 92.6 | 92.7 | 93.1 |
| W 900 | 57.7 | 78.8 | 83.7 | 87.3 | 89.9 | 90.5 | 91.7 | 91.9 | 92.3 | 92.5 | 92.6 | 92.6 | 92.9 | 93.1 | 93.2 | 93.7 |
| W 800 | 57.9 | 80.1 | 85.3 | 88.9 | 91.5 | 92.2 | 93.3 | 93.7 | 94.0 | 94.2 | 94.3 | 94.3 | 94.6 | 94.8 | 94.9 | 95.4 |
| W 700 | 57.9 | 80.6 | 86.0 | 89.8 | 92.7 | 93.3 | 94.5 | 94.8 | 95.2 | 95.4 | 95.5 | 95.5 | 95.8 | 96.0 | 96.1 | 96.6 |
| W 600 | 57.9 | 80.9 | 86.3 | 90.3 | 93.3 | 94.1 | 95.2 | 95.5 | 95.8 | 96.0 | 96.1 | 96.1 | 96.5 | 96.7 | 96.8 | 97.2 |
| W 500 | 57.9 | 80.9 | 86.5 | 90.5 | 93.9 | 94.5 | 95.7 | 96.1 | 96.5 | 96.7 | 96.8 | 96.8 | 97.1 | 97.3 | 97.4 | 97.8 |
| W 400 | 57.9 | 81.2 | 87.3 | 91.6 | 95.1 | 95.7 | 96.9 | 97.4 | 97.7 | 98.0 | 98.1 | 98.1 | 98.4 | 98.6 | 98.7 | 99.1 |
| W 300 | 57.9 | 81.2 | 87.3 | 91.6 | 95.3 | 95.9 | 97.1 | 97.7 | 98.1 | 98.3 | 98.4 | 98.4 | 98.7 | 98.9 | 99.0 | 99.6 |
| W 200 | 57.9 | 81.2 | 87.3 | 91.6 | 95.3 | 95.9 | 97.1 | 97.7 | 98.1 | 98.3 | 98.4 | 98.4 | 98.7 | 98.9 | 99.0 | 99.8 |
| W 100 | 57.9 | 81.2 | 87.3 | 91.6 | 95.3 | 95.9 | 97.1 | 97.7 | 98.1 | 98.3 | 98.4 | 98.4 | 98.7 | 98.9 | 99.0 | 99.8 |
| W 0 | 57.9 | 81.2 | 87.3 | 91.6 | 95.3 | 95.9 | 97.1 | 97.7 | 98.1 | 98.3 | 98.4 | 98.4 | 98.7 | 98.9 | 99.0 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

227

ATERTOWN, NY

STATION NAME

74-83

YEARS

067

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5839-1100

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1.4 | ≥1 | ≥.9 | ≥.8 | ≥.7 | ≥.6 | ≥.5 | ≥.4 |
| NO CEILING | 37.3 | 31.1 | 39.3 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 |
| ≥ 20000 | 34.7 | 40.3 | 41.4 | 42.2 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| ≥ 18000 | 31.1 | 40.4 | 41.7 | 42.5 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| ≥ 16000 | 35.2 | 41.5 | 41.8 | 42.6 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 |
| ≥ 14000 | 35.7 | 41.4 | 42.7 | 43.4 | 43.9 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| ≥ 12000 | 37.1 | 42.2 | 43.4 | 44.2 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 |
| ≥ 10000 | 37.7 | 44.5 | 45.8 | 46.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| ≥ 9000 | 38.3 | 45.4 | 46.7 | 47.5 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| ≥ 8000 | 40.0 | 46.8 | 50.6 | 51.6 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 7000 | 40.8 | 49.6 | 51.4 | 52.4 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| ≥ 6000 | 41.5 | 50.5 | 52.8 | 53.8 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 5000 | 43.1 | 52.4 | 54.8 | 55.8 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| ≥ 4500 | 44.1 | 53.8 | 56.6 | 57.6 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| ≥ 4000 | 46.0 | 57.1 | 60.1 | 61.3 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| ≥ 3500 | 48.2 | 60.0 | 63.2 | 64.5 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| ≥ 3000 | 52.2 | 64.3 | 67.5 | 68.9 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| ≥ 2500 | 54.4 | 66.7 | 72.7 | 73.9 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| ≥ 2000 | 58.4 | 74.3 | 78.0 | 80.2 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| ≥ 1800 | 59.7 | 75.4 | 79.1 | 81.5 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| ≥ 1500 | 61.7 | 78.4 | 82.4 | 85.4 | 86.6 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| ≥ 1200 | 62.6 | 81.1 | 85.4 | 88.5 | 90.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 1000 | 62.7 | 81.7 | 86.3 | 89.6 | 91.3 | 91.8 | 92.0 | 92.6 | 92.6 | 92.6 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 900 | 63.1 | 82.5 | 87.1 | 90.4 | 92.3 | 92.9 | 93.3 | 93.9 | 93.9 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 800 | 63.3 | 83.1 | 88.1 | 91.7 | 93.8 | 94.4 | 95.2 | 95.8 | 95.8 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 700 | 63.5 | 83.8 | 88.8 | 92.7 | 94.8 | 95.5 | 96.2 | 96.9 | 96.9 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 600 | 63.9 | 84.0 | 89.1 | 93.2 | 95.7 | 96.3 | 97.1 | 97.7 | 97.7 | 97.7 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 500 | 63.9 | 84.1 | 89.4 | 93.7 | 96.6 | 97.2 | 98.0 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 400 | 63.9 | 84.3 | 89.9 | 94.1 | 97.3 | 98.0 | 98.8 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 300 | 63.9 | 84.3 | 89.9 | 94.3 | 97.3 | 98.0 | 98.9 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 63.9 | 84.3 | 89.9 | 94.3 | 97.3 | 98.0 | 98.9 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 63.9 | 84.3 | 89.9 | 94.3 | 97.3 | 98.0 | 98.9 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 50 | 63.9 | 84.3 | 89.9 | 94.3 | 97.3 | 98.0 | 98.9 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 97

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 74-83 AIRPORT NY STATION NAME

74-83

YEARS

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1952-1955

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|--------|-------|--------|---------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ 0.5 | ≥ 0.25 | ≥ 0.1 | ≥ 0.05 | ≥ 0.025 | ≥ 0.01 | ≥ 0 |
| NO CEILING | 37.2 | 34.1 | 35.2 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| ≥ 20000 | 34.3 | 37.7 | 40.8 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |
| ≥ 18000 | 34.3 | 40.1 | 41.2 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 16000 | 34.4 | 42.1 | 41.2 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 14000 | 34.4 | 44.5 | 41.6 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 |
| ≥ 12000 | 35.4 | 41.3 | 42.4 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| ≥ 10000 | 37.1 | 43.9 | 44.9 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 9000 | 37.7 | 44.5 | 45.6 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| ≥ 8000 | 37.7 | 46.0 | 49.4 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 |
| ≥ 7000 | 40.0 | 49.1 | 50.9 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| ≥ 6000 | 41.9 | 50.1 | 51.8 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| ≥ 5000 | 42.7 | 53.2 | 55.3 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| ≥ 4500 | 43.4 | 54.1 | 56.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| ≥ 4000 | 45.6 | 57.1 | 59.2 | 60.3 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| ≥ 3500 | 49.2 | 60.9 | 63.3 | 64.5 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| ≥ 3000 | 54.0 | 66.8 | 69.4 | 70.9 | 71.4 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| ≥ 2500 | 59.9 | 72.4 | 74.9 | 76.7 | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| ≥ 2000 | 62.2 | 77.5 | 80.4 | 82.4 | 83.0 | 83.0 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| ≥ 1800 | 62.6 | 76.6 | 81.3 | 83.8 | 84.4 | 84.4 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| ≥ 1500 | 64.6 | 82.6 | 86.0 | 88.1 | 89.0 | 89.0 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 1200 | 66.0 | 84.5 | 89.4 | 90.5 | 91.7 | 91.8 | 92.3 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 1000 | 66.3 | 85.4 | 89.5 | 91.8 | 93.0 | 93.2 | 93.8 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 900 | 66.3 | 85.6 | 89.8 | 92.4 | 93.9 | 94.1 | 94.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 800 | 66.5 | 86.1 | 90.2 | 92.9 | 94.5 | 94.7 | 95.4 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 700 | 66.7 | 86.5 | 90.6 | 93.7 | 95.6 | 95.9 | 96.6 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 600 | 66.9 | 86.8 | 91.2 | 94.4 | 96.3 | 97.0 | 97.7 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 500 | 66.8 | 86.9 | 91.4 | 94.7 | 97.0 | 97.7 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 400 | 66.9 | 87.0 | 91.6 | 95.2 | 97.5 | 98.3 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 300 | 66.9 | 87.0 | 91.6 | 95.2 | 97.5 | 98.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 200 | 66.8 | 87.0 | 91.6 | 95.2 | 97.6 | 98.7 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 66.8 | 87.0 | 91.6 | 95.2 | 97.6 | 98.7 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 66.3 | 87.0 | 91.6 | 95.2 | 97.6 | 98.7 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-227

ALBANY, NY

STATION NAME

74-83

YEARS

1967

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1569-1736

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|---------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING ≥ 20000 | 32.7 | 36.3 | 37.5 | 37.7 | 37.9 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 |
| ≥ 18000 | 35.3 | 43.2 | 44.6 | 44.8 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| ≥ 16000 | 33.3 | 43.2 | 44.6 | 44.8 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| ≥ 14000 | 35.5 | 43.5 | 44.9 | 45.3 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 12000 | 37.4 | 44.7 | 45.1 | 45.5 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| ≥ 10000 | 40.4 | 46.7 | 48.1 | 48.4 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 |
| ≥ 9000 | 41.1 | 47.1 | 48.6 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 |
| ≥ 8000 | 43.0 | 49.5 | 51.0 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| ≥ 7000 | 43.9 | 50.8 | 52.3 | 53.0 | 53.1 | 53.1 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| ≥ 6000 | 45.7 | 52.9 | 54.4 | 55.2 | 55.3 | 55.3 | 55.3 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| ≥ 5000 | 48.7 | 56.3 | 58.2 | 59.0 | 59.1 | 59.1 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| ≥ 4500 | 49.7 | 57.5 | 59.9 | 60.4 | 60.6 | 60.6 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| ≥ 4000 | 52.6 | 61.7 | 63.9 | 65.2 | 65.5 | 65.5 | 65.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| ≥ 3500 | 59.1 | 68.4 | 70.8 | 72.4 | 72.9 | 72.9 | 72.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| ≥ 3000 | 62.9 | 74.2 | 76.8 | 78.4 | 79.2 | 79.2 | 79.2 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| ≥ 2500 | 66.2 | 78.1 | 80.6 | 82.4 | 83.2 | 83.2 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| ≥ 2000 | 69.8 | 81.4 | 84.1 | 86.1 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 1800 | 69.9 | 81.8 | 84.6 | 86.8 | 87.8 | 88.0 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 1500 | 70.0 | 84.2 | 87.1 | 89.5 | 91.8 | 91.7 | 91.3 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 1200 | 70.5 | 85.8 | 88.8 | 91.2 | 92.5 | 92.7 | 93.1 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 1000 | 71.0 | 86.7 | 89.8 | 92.5 | 93.8 | 94.0 | 94.4 | 94.6 | 94.6 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 900 | 71.1 | 86.7 | 89.8 | 92.5 | 93.9 | 94.1 | 94.5 | 94.7 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 800 | 71.1 | 87.1 | 90.4 | 93.2 | 94.7 | 95.2 | 95.7 | 95.9 | 95.9 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 700 | 71.1 | 87.2 | 90.5 | 93.3 | 94.9 | 95.5 | 96.0 | 96.2 | 96.2 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 600 | 71.1 | 87.5 | 91.2 | 94.3 | 96.0 | 96.6 | 97.2 | 97.5 | 97.5 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 500 | 71.1 | 87.5 | 91.2 | 94.4 | 96.7 | 97.2 | 97.8 | 98.2 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 400 | 71.1 | 87.6 | 91.3 | 94.7 | 97.0 | 97.6 | 98.4 | 98.7 | 98.8 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 300 | 71.1 | 87.6 | 91.3 | 94.7 | 97.0 | 97.6 | 98.4 | 98.8 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 200 | 71.1 | 87.6 | 91.4 | 94.8 | 97.1 | 97.8 | 98.6 | 99.0 | 99.1 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 100 | 71.1 | 87.6 | 91.4 | 94.8 | 97.1 | 97.8 | 98.6 | 99.0 | 99.1 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 0 | 71.1 | 87.6 | 91.4 | 94.8 | 97.1 | 97.8 | 98.6 | 99.0 | 99.1 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 97

USAF ETAC

FORM
101-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMAT. CLIMATOLOGY BRANCH
WAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 74-83 WATERLOO, NY STATION NAME

YEARS

061

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-2000

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|------|
| | ≥10 | ≥8 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0 |
| NO CEILING | 31.1 | 41.7 | 41.9 | 41.9 | 47.3 | 42.3 | 42.3 | 42.5 | 42.5 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| ≥20000 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 18000 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 16000 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 14000 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 12000 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 10000 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 8000 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 6000 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 5000 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 4500 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 4000 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 3500 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 3000 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 2500 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 2000 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 1800 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 1600 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 1400 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 1200 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 1000 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 900 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 800 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 700 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 600 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 500 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 400 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 300 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 200 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 100 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 0 | 42.3 | 47.0 | 47.3 | 47.3 | 47.6 | 47.6 | 47.6 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH
 CASETAS
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-83

ATENTOWN NY

STATION NAME

74-83

YEAR

067

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2160-2300

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING | 36.9 | 43.1 | 43.5 | 43.5 | 43.9 | 43.8 | 43.9 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| ≥ 20000 | 40.6 | 45.8 | 46.2 | 46.2 | 46.5 | 46.5 | 46.6 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| ≥ 18000 | 40.9 | 45.9 | 46.3 | 46.3 | 46.6 | 46.6 | 46.7 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 |
| ≥ 16000 | 40.8 | 45.9 | 46.3 | 46.3 | 46.6 | 46.6 | 46.7 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 |
| ≥ 14000 | 40.9 | 46.0 | 46.5 | 46.5 | 46.7 | 46.7 | 46.8 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 |
| ≥ 12000 | 42.6 | 48.2 | 48.6 | 48.6 | 48.8 | 48.8 | 48.9 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥ 10000 | 44.1 | 51.7 | 52.3 | 52.3 | 52.5 | 52.5 | 52.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| ≥ 8000 | 44.1 | 51.7 | 52.3 | 52.3 | 52.5 | 52.5 | 52.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| ≥ 6000 | 46.3 | 53.9 | 54.4 | 54.4 | 55.2 | 55.2 | 55.3 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| ≥ 5000 | 46.5 | 54.4 | 55.1 | 55.1 | 55.8 | 55.8 | 55.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| ≥ 4500 | 49.2 | 57.6 | 58.3 | 58.3 | 59.1 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| ≥ 4000 | 53.5 | 63.3 | 64.2 | 64.2 | 65.1 | 65.1 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| ≥ 3500 | 56.9 | 66.9 | 67.7 | 67.7 | 68.6 | 68.6 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| ≥ 3000 | 61.1 | 72.5 | 73.5 | 73.5 | 74.4 | 74.4 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| ≥ 2500 | 64.1 | 77.4 | 78.6 | 78.6 | 79.5 | 79.5 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| ≥ 2000 | 66.8 | 81.4 | 83.0 | 83.0 | 84.1 | 84.1 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| ≥ 1800 | 67.6 | 84.2 | 85.8 | 85.8 | 87.0 | 87.0 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| ≥ 1600 | 65.7 | 87.3 | 88.9 | 88.9 | 90.0 | 90.0 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 1400 | 69.9 | 87.7 | 89.5 | 89.5 | 90.0 | 90.0 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 1200 | 69.7 | 88.5 | 91.0 | 91.0 | 91.7 | 91.7 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 1000 | 69.7 | 88.9 | 91.6 | 91.6 | 92.7 | 92.7 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 900 | 69.1 | 89.2 | 92.4 | 92.4 | 93.4 | 93.4 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 800 | 69.1 | 89.2 | 92.4 | 92.4 | 93.4 | 93.4 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 700 | 69.1 | 89.4 | 92.6 | 92.6 | 93.9 | 93.9 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 600 | 69.1 | 89.5 | 92.7 | 92.7 | 94.2 | 94.2 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 500 | 69.1 | 89.9 | 93.1 | 93.1 | 94.8 | 94.8 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 400 | 69.1 | 89.9 | 93.1 | 93.1 | 95.2 | 95.2 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 300 | 69.1 | 90.1 | 93.5 | 93.5 | 95.4 | 95.4 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 200 | 69.1 | 90.2 | 93.7 | 93.7 | 95.6 | 95.6 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 100 | 69.1 | 90.2 | 93.7 | 93.7 | 95.6 | 95.6 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227 STATION NAME WATERLOO, NY 74-83 YEARS OCT 1964

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING ≥ 20000 | 35.6 | 40.2 | 41.0 | 41.4 | 41.7 | 41.7 | 41.8 | 41.9 | 41.9 | 42.0 | 42.0 | 42.0 | 42.1 | 42.1 | 42.1 | 42.2 |
| ≥ 18000 | 35.7 | 44.1 | 44.9 | 45.3 | 45.7 | 45.7 | 45.8 | 45.9 | 45.9 | 46.0 | 46.0 | 46.0 | 46.1 | 46.1 | 46.1 | 46.2 |
| ≥ 16000 | 35.8 | 44.3 | 45.1 | 45.5 | 45.9 | 45.9 | 46.0 | 46.1 | 46.1 | 46.2 | 46.2 | 46.2 | 46.3 | 46.3 | 46.3 | 46.4 |
| ≥ 14000 | 35.9 | 44.4 | 45.2 | 45.6 | 46.0 | 46.0 | 46.1 | 46.2 | 46.2 | 46.3 | 46.3 | 46.3 | 46.4 | 46.4 | 46.4 | 46.5 |
| ≥ 12000 | 36.0 | 44.5 | 45.3 | 45.7 | 46.1 | 46.1 | 46.2 | 46.3 | 46.3 | 46.4 | 46.4 | 46.4 | 46.5 | 46.5 | 46.5 | 46.6 |
| ≥ 10000 | 36.1 | 44.6 | 45.4 | 45.8 | 46.2 | 46.2 | 46.3 | 46.4 | 46.4 | 46.5 | 46.5 | 46.5 | 46.6 | 46.6 | 46.6 | 46.7 |
| ≥ 9000 | 36.2 | 44.7 | 45.5 | 45.9 | 46.3 | 46.3 | 46.4 | 46.5 | 46.5 | 46.6 | 46.6 | 46.6 | 46.7 | 46.7 | 46.7 | 46.8 |
| ≥ 8000 | 36.3 | 44.8 | 45.6 | 46.0 | 46.4 | 46.4 | 46.5 | 46.6 | 46.6 | 46.7 | 46.7 | 46.7 | 46.8 | 46.8 | 46.8 | 46.9 |
| ≥ 7000 | 36.4 | 44.9 | 45.7 | 46.1 | 46.5 | 46.5 | 46.6 | 46.7 | 46.7 | 46.8 | 46.8 | 46.8 | 46.9 | 46.9 | 46.9 | 47.0 |
| ≥ 6000 | 36.5 | 45.0 | 45.8 | 46.2 | 46.6 | 46.6 | 46.7 | 46.8 | 46.8 | 46.9 | 46.9 | 46.9 | 47.0 | 47.0 | 47.0 | 47.1 |
| ≥ 5000 | 36.6 | 45.1 | 45.9 | 46.3 | 46.7 | 46.7 | 46.8 | 46.9 | 46.9 | 47.0 | 47.0 | 47.0 | 47.1 | 47.1 | 47.1 | 47.2 |
| ≥ 4500 | 36.7 | 45.2 | 46.0 | 46.4 | 46.8 | 46.8 | 46.9 | 47.0 | 47.0 | 47.1 | 47.1 | 47.1 | 47.2 | 47.2 | 47.2 | 47.3 |
| ≥ 4000 | 36.8 | 45.3 | 46.1 | 46.5 | 46.9 | 46.9 | 47.0 | 47.1 | 47.1 | 47.2 | 47.2 | 47.2 | 47.3 | 47.3 | 47.3 | 47.4 |
| ≥ 3500 | 36.9 | 45.4 | 46.2 | 46.6 | 47.0 | 47.0 | 47.1 | 47.2 | 47.2 | 47.3 | 47.3 | 47.3 | 47.4 | 47.4 | 47.4 | 47.5 |
| ≥ 3000 | 37.0 | 45.5 | 46.3 | 46.7 | 47.1 | 47.1 | 47.2 | 47.3 | 47.3 | 47.4 | 47.4 | 47.4 | 47.5 | 47.5 | 47.5 | 47.6 |
| ≥ 2500 | 37.1 | 45.6 | 46.4 | 46.8 | 47.2 | 47.2 | 47.3 | 47.4 | 47.4 | 47.5 | 47.5 | 47.5 | 47.6 | 47.6 | 47.6 | 47.7 |
| ≥ 2000 | 37.2 | 45.7 | 46.5 | 46.9 | 47.3 | 47.3 | 47.4 | 47.5 | 47.5 | 47.6 | 47.6 | 47.6 | 47.7 | 47.7 | 47.7 | 47.8 |
| ≥ 1800 | 37.3 | 45.8 | 46.6 | 47.0 | 47.4 | 47.4 | 47.5 | 47.6 | 47.6 | 47.7 | 47.7 | 47.7 | 47.8 | 47.8 | 47.8 | 47.9 |
| ≥ 1600 | 37.4 | 45.9 | 46.7 | 47.1 | 47.5 | 47.5 | 47.6 | 47.7 | 47.7 | 47.8 | 47.8 | 47.8 | 47.9 | 47.9 | 47.9 | 48.0 |
| ≥ 1400 | 37.5 | 46.0 | 46.8 | 47.2 | 47.6 | 47.6 | 47.7 | 47.8 | 47.8 | 47.9 | 47.9 | 47.9 | 48.0 | 48.0 | 48.0 | 48.1 |
| ≥ 1200 | 37.6 | 46.1 | 46.9 | 47.3 | 47.7 | 47.7 | 47.8 | 47.9 | 47.9 | 48.0 | 48.0 | 48.0 | 48.1 | 48.1 | 48.1 | 48.2 |
| ≥ 1000 | 37.7 | 46.2 | 47.0 | 47.4 | 47.8 | 47.8 | 47.9 | 48.0 | 48.0 | 48.1 | 48.1 | 48.1 | 48.2 | 48.2 | 48.2 | 48.3 |
| ≥ 900 | 37.8 | 46.3 | 47.1 | 47.5 | 47.9 | 47.9 | 48.0 | 48.1 | 48.1 | 48.2 | 48.2 | 48.2 | 48.3 | 48.3 | 48.3 | 48.4 |
| ≥ 800 | 37.9 | 46.4 | 47.2 | 47.6 | 48.0 | 48.0 | 48.1 | 48.2 | 48.2 | 48.3 | 48.3 | 48.3 | 48.4 | 48.4 | 48.4 | 48.5 |
| ≥ 700 | 38.0 | 46.5 | 47.3 | 47.7 | 48.1 | 48.1 | 48.2 | 48.3 | 48.3 | 48.4 | 48.4 | 48.4 | 48.5 | 48.5 | 48.5 | 48.6 |
| ≥ 600 | 38.1 | 46.6 | 47.4 | 47.8 | 48.2 | 48.2 | 48.3 | 48.4 | 48.4 | 48.5 | 48.5 | 48.5 | 48.6 | 48.6 | 48.6 | 48.7 |
| ≥ 500 | 38.2 | 46.7 | 47.5 | 47.9 | 48.3 | 48.3 | 48.4 | 48.5 | 48.5 | 48.6 | 48.6 | 48.6 | 48.7 | 48.7 | 48.7 | 48.8 |
| ≥ 400 | 38.3 | 46.8 | 47.6 | 48.0 | 48.4 | 48.4 | 48.5 | 48.6 | 48.6 | 48.7 | 48.7 | 48.7 | 48.8 | 48.8 | 48.8 | 48.9 |
| ≥ 300 | 38.4 | 46.9 | 47.7 | 48.1 | 48.5 | 48.5 | 48.6 | 48.7 | 48.7 | 48.8 | 48.8 | 48.8 | 48.9 | 48.9 | 48.9 | 49.0 |
| ≥ 200 | 38.5 | 47.0 | 47.8 | 48.2 | 48.6 | 48.6 | 48.7 | 48.8 | 48.8 | 48.9 | 48.9 | 48.9 | 49.0 | 49.0 | 49.0 | 49.1 |
| ≥ 100 | 38.6 | 47.1 | 47.9 | 48.3 | 48.7 | 48.7 | 48.8 | 48.9 | 48.9 | 49.0 | 49.0 | 49.0 | 49.1 | 49.1 | 49.1 | 49.2 |
| ≥ 0 | 38.7 | 47.2 | 48.0 | 48.4 | 48.8 | 48.8 | 48.9 | 49.0 | 49.0 | 49.1 | 49.1 | 49.1 | 49.2 | 49.2 | 49.2 | 49.3 |

TOTAL NUMBER OF OBSERVATIONS 748

CLIMATOLOGY BRANCH
METEOR
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-227

ALBERTA, NY

STATION NAME

74-83

YEARS

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|-------|------|-------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ .01 | ≥ 0 |
| NO CEILING | 29.2 | 30.7 | 31.0 | 31.6 | 31.6 | 31.6 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 |
| ≥ 20000 | 31.2 | 33.0 | 34.1 | 34.7 | 34.7 | 34.7 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.9 | 35.0 |
| ≥ 18000 | 31.2 | 33.0 | 34.1 | 34.7 | 34.7 | 34.7 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.9 | 35.0 |
| ≥ 16000 | 31.2 | 33.0 | 34.1 | 34.7 | 34.7 | 34.7 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.9 | 35.0 |
| ≥ 14000 | 31.4 | 34.1 | 34.4 | 35.0 | 35.0 | 35.0 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.2 | 35.2 | 35.3 |
| ≥ 12000 | 31.7 | 34.3 | 34.7 | 35.2 | 35.2 | 35.2 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.4 | 35.4 | 35.5 |
| ≥ 10000 | 33.4 | 37.0 | 37.4 | 38.0 | 38.0 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.2 | 38.2 | 38.3 |
| ≥ 9000 | 33.7 | 37.1 | 37.6 | 38.1 | 38.1 | 38.1 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.3 | 38.3 | 38.4 |
| ≥ 8000 | 35.9 | 40.0 | 40.4 | 41.0 | 41.0 | 41.0 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.2 | 41.2 | 41.3 |
| ≥ 7000 | 36.4 | 40.8 | 41.2 | 41.8 | 41.8 | 41.8 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 42.0 | 42.0 | 42.1 |
| ≥ 6000 | 39.3 | 43.9 | 44.3 | 44.9 | 44.9 | 44.9 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.1 | 45.1 | 45.2 |
| ≥ 5000 | 43.4 | 50.8 | 51.3 | 51.9 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.1 | 52.1 | 52.2 |
| ≥ 4500 | 45.9 | 53.6 | 54.3 | 54.9 | 54.9 | 54.9 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.1 | 55.1 | 55.2 |
| ≥ 4000 | 48.6 | 57.2 | 58.2 | 58.8 | 58.8 | 58.8 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 59.0 | 59.0 | 59.1 |
| ≥ 3500 | 52.4 | 64.0 | 65.3 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.3 | 66.3 | 66.4 |
| ≥ 3000 | 55.5 | 70.2 | 71.8 | 72.8 | 72.8 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 73.0 | 73.0 | 73.1 |
| ≥ 2500 | 57.0 | 73.3 | 75.9 | 76.9 | 77.0 | 77.0 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.2 | 77.2 | 77.3 |
| ≥ 2000 | 59.7 | 78.8 | 82.6 | 83.9 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.5 | 84.5 | 84.6 |
| ≥ 1800 | 59.2 | 79.9 | 83.8 | 85.1 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 | 85.9 | 86.0 |
| ≥ 1600 | 59.2 | 80.3 | 84.7 | 86.3 | 87.1 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 | 87.5 |
| ≥ 1400 | 60.0 | 81.9 | 86.6 | 88.2 | 89.3 | 89.3 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.5 |
| ≥ 1200 | 60.3 | 82.7 | 87.6 | 89.4 | 90.8 | 90.8 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 92.0 |
| ≥ 1000 | 60.3 | 83.4 | 89.1 | 91.1 | 92.7 | 92.7 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.9 |
| ≥ 900 | 60.3 | 83.4 | 89.1 | 91.1 | 92.7 | 92.7 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.9 |
| ≥ 800 | 60.3 | 83.4 | 89.1 | 91.1 | 92.7 | 92.7 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.9 |
| ≥ 700 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ 600 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ 500 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ 400 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ 300 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ 200 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ 100 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ 50 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ 20 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ 10 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ 5 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ 2 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ 1 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ .5 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ .25 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ .1 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ .05 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ .025 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ .01 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ .005 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ .0025 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ .001 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ .0005 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ .00025 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ .0001 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ .00005 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ .000025 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |
| ≥ .00001 | 60.4 | 83.7 | 89.6 | 91.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 |

TOTAL NUMBER OF OBSERVATIONS 600

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

74-E3

MCN

~~1300-0500~~

TOTAL NUMBER OF OBSERVATIONS 920

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
WALLTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

WATER TOWN, NY

STATION NAME

74-83

YEAR

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

8666-8600

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0 |
| 20000 | 27.4 | 24.0 | 24.4 | 25.0 | 25.7 | 26.2 | 26.2 | 26.2 | 26.2 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.4 | 26.7 |
| 18000 | 25.3 | 27.8 | 28.3 | 29.1 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.7 | 30.9 |
| 16000 | 25.4 | 27.9 | 28.4 | 29.2 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.8 | 31.0 |
| 14000 | 25.4 | 27.9 | 28.4 | 29.2 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.8 | 31.0 |
| 12000 | 25.4 | 27.9 | 28.4 | 29.2 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.8 | 31.0 |
| 10000 | 25.4 | 27.9 | 28.4 | 29.2 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.8 | 31.0 |
| 9000 | 27.7 | 31.7 | 32.2 | 33.0 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.8 |
| 8000 | 27.7 | 31.7 | 32.2 | 33.0 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.8 |
| 7000 | 29.8 | 34.2 | 34.8 | 35.6 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.1 | 37.3 |
| 6000 | 30.7 | 35.1 | 35.7 | 36.4 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 38.0 | 38.2 |
| 5000 | 32.2 | 37.2 | 37.9 | 38.7 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.3 | 40.6 |
| 4500 | 35.9 | 41.9 | 42.9 | 43.3 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.4 | 45.7 |
| 4000 | 39.4 | 44.9 | 45.9 | 46.8 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.4 | 48.7 |
| 3500 | 42.2 | 51.0 | 52.7 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.6 | 55.8 |
| 3000 | 44.2 | 55.3 | 57.6 | 58.8 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.4 | 60.7 |
| 2500 | 48.6 | 62.1 | 64.6 | 66.2 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.9 | 68.1 |
| 2000 | 50.9 | 66.2 | 69.1 | 70.9 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.6 | 72.8 |
| 1800 | 53.3 | 70.3 | 73.7 | 76.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.6 | 78.8 |
| 1600 | 53.7 | 71.2 | 74.7 | 77.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.8 | 80.0 |
| 1400 | 54.3 | 71.1 | 77.9 | 80.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.7 | 85.0 |
| 1200 | 54.3 | 75.4 | 79.9 | 82.4 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.6 | 87.9 |
| 1000 | 55.1 | 76.2 | 80.8 | 83.7 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.9 | 90.2 |
| 900 | 55.1 | 76.2 | 80.8 | 83.9 | 87.6 | 87.9 | 87.9 | 87.9 | 87.9 | 90.1 | 90.4 | 90.4 | 90.4 | 90.4 | 90.7 | 91.0 |
| 800 | 55.3 | 76.8 | 81.6 | 84.8 | 88.7 | 89.0 | 89.0 | 89.0 | 89.0 | 91.3 | 91.7 | 91.7 | 91.7 | 91.7 | 92.2 | 92.6 |
| 700 | 55.7 | 77.4 | 82.6 | 86.1 | 90.6 | 91.0 | 91.0 | 91.0 | 91.0 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 94.3 | 94.7 |
| 600 | 55.7 | 77.6 | 82.7 | 86.4 | 91.0 | 91.4 | 91.4 | 91.4 | 91.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 95.0 | 95.3 |
| 500 | 55.7 | 77.6 | 82.8 | 86.7 | 91.7 | 92.2 | 92.2 | 92.2 | 92.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 96.7 | 97.2 |
| 400 | 55.7 | 77.7 | 83.0 | 86.9 | 92.2 | 92.8 | 92.8 | 92.8 | 92.8 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 98.3 | 98.9 |
| 300 | 55.7 | 77.7 | 83.1 | 86.9 | 92.2 | 92.8 | 92.8 | 92.8 | 92.8 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 98.3 | 98.9 |
| 200 | 55.7 | 77.7 | 83.1 | 86.9 | 92.2 | 92.8 | 92.8 | 92.8 | 92.8 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 98.3 | 98.9 |
| 100 | 55.7 | 77.7 | 83.1 | 86.9 | 92.2 | 92.8 | 92.8 | 92.8 | 92.8 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 98.3 | 98.9 |
| 0 | 55.7 | 77.7 | 83.1 | 86.9 | 92.2 | 92.8 | 92.8 | 92.8 | 92.8 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 98.3 | 98.9 |

TOTAL NUMBER OF OBSERVATIONS 800

USAF ETAC

FORM 10-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 227 WATERLOO, NY STATION NAME 74-63 YEARS 1952-1953

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3552-1100

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|-----|-----|-----|-----|-------|-----|-------|-------|-------|------|-------|------|-------|-------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.0 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0 |
| NO CEILING | 1.9 | 1.2 | 2.7 | 2.2 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.7 |
| ≥ 20000 | 2.7 | 2.4 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 18000 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 16000 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 14000 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 12000 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 10000 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 9000 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 8000 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 7000 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 6000 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 5000 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 4500 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 4000 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 3500 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 3000 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 2500 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 2000 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 1800 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 1500 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 1200 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 1000 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 900 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 800 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 700 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 600 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 500 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 400 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 300 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 200 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 100 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 50 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| ≥ 0 | 2.7 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
ETAC
AIR FORCE THER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 227 AIRPORT NY STATION NAME

74-87

YEARS

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1258-1400

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 27.4 | 22.8 | 23.2 | 23.6 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 |
| ≥ 20000 | 24.7 | 27.9 | 28.6 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 |
| ≥ 18000 | 24.7 | 28.1 | 28.8 | 29.2 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| ≥ 16000 | 24.7 | 28.1 | 28.8 | 29.2 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| ≥ 14000 | 25.6 | 29.0 | 29.7 | 30.1 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| ≥ 12000 | 26.2 | 29.8 | 30.4 | 30.9 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| ≥ 10000 | 29.4 | 32.7 | 33.6 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| ≥ 9000 | 29.0 | 33.3 | 34.2 | 34.7 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 8000 | 31.7 | 37.4 | 38.4 | 38.9 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 |
| ≥ 7000 | 32.4 | 38.6 | 39.6 | 40.0 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 |
| ≥ 6000 | 34.0 | 40.2 | 41.2 | 41.7 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 5000 | 37.4 | 43.0 | 44.2 | 44.8 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| 4500 | 37.7 | 44.3 | 45.6 | 46.2 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| 4000 | 39.7 | 46.6 | 50.2 | 51.2 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| 3500 | 42.4 | 52.2 | 53.9 | 54.9 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| 3000 | 45.6 | 57.1 | 59.6 | 60.8 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| 2500 | 50.7 | 65.2 | 68.4 | 70.0 | 70.4 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| 2000 | 53.7 | 69.9 | 73.9 | 76.2 | 77.1 | 77.4 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| 1800 | 54.7 | 70.9 | 75.1 | 77.6 | 78.4 | 78.9 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| 1500 | 57.0 | 74.7 | 79.6 | 82.3 | 83.8 | 84.2 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| 1200 | 57.1 | 76.4 | 81.3 | 84.8 | 86.7 | 87.3 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| 1000 | 58.4 | 77.7 | 82.7 | 86.2 | 88.6 | 89.2 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| 900 | 59.4 | 78.0 | 83.1 | 86.8 | 89.1 | 89.8 | 90.7 | 90.8 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| 800 | 59.6 | 79.0 | 84.3 | 88.4 | 90.9 | 91.7 | 92.8 | 92.9 | 92.9 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 700 | 59.6 | 79.1 | 84.4 | 88.6 | 91.0 | 91.8 | 93.1 | 93.3 | 93.3 | 94.1 | 94.2 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 |
| 600 | 59.9 | 79.4 | 84.9 | 89.1 | 91.6 | 92.3 | 93.7 | 94.0 | 94.0 | 94.9 | 95.0 | 95.1 | 95.2 | 95.3 | 95.3 | 95.3 |
| 500 | 59.9 | 79.6 | 85.0 | 89.2 | 92.1 | 92.9 | 94.9 | 95.3 | 95.3 | 96.3 | 96.6 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 |
| 400 | 59.0 | 79.8 | 85.2 | 89.0 | 92.9 | 93.7 | 95.7 | 96.1 | 96.1 | 97.1 | 97.3 | 97.6 | 98.1 | 98.2 | 98.4 | 98.4 |
| 300 | 59.0 | 79.8 | 85.3 | 89.9 | 93.3 | 94.3 | 96.3 | 96.8 | 96.8 | 98.0 | 98.2 | 98.4 | 99.1 | 99.2 | 99.5 | 99.5 |
| 200 | 59.1 | 79.8 | 85.3 | 89.9 | 93.3 | 94.3 | 96.4 | 97.0 | 97.0 | 98.2 | 98.4 | 98.7 | 99.3 | 99.4 | 99.8 | 99.8 |
| 100 | 59.1 | 79.8 | 85.3 | 89.9 | 93.3 | 94.3 | 96.4 | 97.0 | 97.0 | 98.2 | 98.4 | 98.7 | 99.3 | 99.4 | 99.8 | 99.8 |
| 0 | 59.7 | 79.8 | 85.3 | 89.9 | 93.3 | 94.3 | 96.4 | 97.0 | 97.0 | 98.2 | 98.4 | 98.7 | 99.3 | 99.4 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 900

LOCAL CLIMATOLOGY BRANCH
 AFETAC
 AIRCRAFT IN SERVICE/MAC

CEILING VERSUS VISIBILITY

10007
 STATION

WATERTOWN NY

STATION NAME

74-23

YEAR

NOV

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1000-1700

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|-------|------|-------|--------|-------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ .01 | ≥ .005 |
| NO CEILING | 21.6 | 23.4 | 24.4 | 25.2 | 25.3 | 25.3 | 25.3 | 25.4 | 25.4 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 |
| ≥ 20000 | 25.7 | 29.9 | 30.0 | 30.4 | 30.6 | 30.6 | 30.6 | 30.7 | 30.7 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 |
| ≥ 18000 | 25.7 | 29.1 | 30.1 | 30.6 | 30.7 | 30.7 | 30.7 | 30.8 | 30.8 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 |
| ≥ 16000 | 25.6 | 29.1 | 30.1 | 30.6 | 30.7 | 30.7 | 30.7 | 30.8 | 30.8 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 |
| ≥ 14000 | 25.4 | 29.7 | 30.8 | 31.2 | 31.3 | 31.3 | 31.3 | 31.4 | 31.4 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 |
| ≥ 12000 | 27.1 | 30.6 | 31.7 | 32.1 | 32.2 | 32.2 | 32.2 | 32.3 | 32.3 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| ≥ 10000 | 29.7 | 33.1 | 34.6 | 35.1 | 35.2 | 35.2 | 35.2 | 35.3 | 35.3 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 9000 | 29.6 | 33.8 | 35.2 | 35.8 | 35.9 | 35.9 | 35.9 | 36.0 | 36.0 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| ≥ 8000 | 32.3 | 35.1 | 36.6 | 40.1 | 40.3 | 40.3 | 40.3 | 40.4 | 40.4 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 |
| ≥ 7000 | 33.1 | 37.2 | 40.3 | 41.3 | 41.6 | 41.6 | 41.6 | 41.7 | 41.7 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 |
| ≥ 6000 | 34.3 | 41.1 | 42.8 | 43.3 | 43.6 | 43.6 | 43.6 | 43.7 | 43.7 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 |
| ≥ 5000 | 35.9 | 42.9 | 44.7 | 45.2 | 45.4 | 45.4 | 45.4 | 45.6 | 45.6 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 4500 | 36.6 | 44.1 | 45.9 | 46.4 | 46.7 | 46.7 | 46.7 | 46.8 | 46.8 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 |
| ≥ 4000 | 37.4 | 47.3 | 50.3 | 50.9 | 51.1 | 51.1 | 51.1 | 51.2 | 51.2 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| ≥ 3500 | 41.0 | 51.3 | 53.9 | 54.6 | 54.9 | 54.9 | 54.9 | 55.0 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| ≥ 3000 | 45.1 | 57.2 | 60.6 | 61.3 | 61.8 | 61.8 | 61.8 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| ≥ 2500 | 51.2 | 64.4 | 68.3 | 69.2 | 69.9 | 69.9 | 70.0 | 70.2 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| ≥ 2000 | 62.1 | 69.0 | 73.8 | 75.8 | 76.7 | 76.7 | 76.9 | 77.3 | 77.4 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| ≥ 1800 | 63.1 | 70.8 | 75.9 | 78.0 | 79.0 | 79.0 | 79.2 | 79.7 | 79.8 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| ≥ 1600 | 64.7 | 73.6 | 79.1 | 81.6 | 82.9 | 82.9 | 83.4 | 84.0 | 84.2 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 1400 | 65.4 | 75.3 | 81.3 | 84.7 | 86.4 | 86.7 | 87.6 | 88.2 | 88.4 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 1200 | 65.7 | 76.7 | 83.4 | 87.3 | 89.4 | 89.7 | 90.6 | 91.2 | 91.4 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 1000 | 65.1 | 77.4 | 84.2 | 88.1 | 90.2 | 90.6 | 91.6 | 92.2 | 92.4 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 900 | 65.2 | 77.6 | 84.4 | 88.6 | 90.7 | 91.1 | 92.2 | 93.0 | 93.2 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 800 | 65.4 | 78.2 | 85.1 | 89.3 | 91.4 | 91.9 | 93.0 | 93.8 | 94.0 | 94.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 700 | 66.3 | 78.3 | 85.2 | 90.0 | 92.2 | 92.7 | 93.8 | 94.9 | 95.1 | 95.7 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 600 | 66.3 | 78.4 | 85.4 | 90.3 | 92.9 | 93.3 | 94.4 | 95.7 | 96.0 | 96.7 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 500 | 66.3 | 78.6 | 85.6 | 90.7 | 93.4 | 94.1 | 95.2 | 96.4 | 96.8 | 97.4 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 400 | 66.3 | 78.6 | 85.7 | 90.8 | 93.7 | 94.4 | 95.7 | 96.9 | 97.2 | 98.0 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 300 | 66.3 | 78.6 | 85.7 | 90.8 | 93.7 | 94.4 | 95.8 | 97.0 | 97.3 | 98.1 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 200 | 66.3 | 78.6 | 85.7 | 90.8 | 93.7 | 94.4 | 95.8 | 97.0 | 97.3 | 98.1 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 100 | 66.3 | 78.6 | 85.7 | 90.8 | 93.7 | 94.4 | 95.8 | 97.0 | 97.3 | 98.1 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 50 | 66.3 | 78.6 | 85.7 | 90.8 | 93.7 | 94.4 | 95.8 | 97.0 | 97.3 | 98.1 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 AFETAC SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 74-83 STATION NAME YEAR 1952-1953

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥8 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO FLOORING | 24.4 | 26.7 | 27.0 | 27.2 | 27.3 | 27.6 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.8 |
| ≥20000 | 27.7 | 29.2 | 30.2 | 30.7 | 30.9 | 31.1 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.3 |
| ≥18000 | 27.7 | 29.2 | 30.2 | 30.7 | 30.9 | 31.1 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.3 |
| ≥16000 | 27.7 | 29.2 | 30.2 | 30.7 | 30.9 | 31.1 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.3 |
| ≥14000 | 27.2 | 29.4 | 30.4 | 30.9 | 31.1 | 31.3 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.6 |
| ≥12000 | 27.4 | 30.4 | 31.9 | 32.3 | 32.5 | 32.7 | 33.0 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 |
| ≥10000 | 27.4 | 33.3 | 34.4 | 34.9 | 35.1 | 35.4 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.7 |
| ≥8000 | 30.3 | 33.8 | 34.9 | 35.3 | 35.6 | 35.9 | 36.1 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.1 |
| ≥6000 | 33.4 | 37.6 | 38.7 | 39.1 | 39.3 | 39.7 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.9 |
| ≥4000 | 34.3 | 38.4 | 39.9 | 40.3 | 40.6 | 40.9 | 41.1 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.1 |
| ≥2000 | 37.0 | 41.8 | 43.1 | 43.6 | 43.9 | 44.1 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.3 |
| ≥1000 | 37.0 | 46.2 | 47.7 | 48.1 | 48.3 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.9 |
| ≥800 | 41.1 | 48.9 | 50.3 | 50.8 | 51.1 | 51.3 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.6 |
| ≥600 | 44.3 | 53.3 | 55.7 | 56.1 | 56.3 | 56.7 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.9 |
| ≥400 | 47.8 | 58.6 | 61.0 | 61.4 | 61.8 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 |
| ≥200 | 52.3 | 67.6 | 70.4 | 71.0 | 71.5 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.1 |
| ≥100 | 55.4 | 73.3 | 77.3 | 77.9 | 78.6 | 78.9 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.2 |
| ≥50 | 57.4 | 77.7 | 82.7 | 83.6 | 84.2 | 84.7 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.2 |
| ≥25 | 58.1 | 79.2 | 84.4 | 85.6 | 86.2 | 86.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.2 |
| ≥12 | 58.6 | 81.7 | 86.4 | 87.7 | 88.7 | 89.1 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 90.0 |
| ≥6 | 58.7 | 82.0 | 88.2 | 89.7 | 91.1 | 91.6 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 |
| ≥3 | 58.8 | 83.0 | 89.6 | 91.2 | 92.9 | 93.3 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 |
| ≥1 | 58.3 | 83.2 | 90.0 | 91.3 | 93.4 | 93.9 | 95.4 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 96.0 |
| ≥0.5 | 58.1 | 83.8 | 90.8 | 92.8 | 94.2 | 94.7 | 96.3 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.0 |
| ≥0.25 | 58.1 | 84.0 | 91.1 | 92.9 | 94.7 | 95.1 | 96.8 | 97.3 | 97.3 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 |
| ≥0.125 | 58.1 | 84.1 | 91.1 | 93.1 | 95.7 | 95.4 | 97.1 | 97.7 | 97.7 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 |
| ≥0.0625 | 58.1 | 84.2 | 91.4 | 93.6 | 95.4 | 95.9 | 97.7 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.6 |
| ≥0.03125 | 58.1 | 84.2 | 91.4 | 93.6 | 95.6 | 96.0 | 97.8 | 98.3 | 98.3 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 |
| ≥0.015625 | 58.1 | 84.2 | 91.4 | 93.6 | 95.6 | 96.0 | 97.8 | 98.7 | 98.7 | 98.7 | 98.7 | 99.1 | 99.3 | 99.3 | 99.3 | 99.4 |
| ≥0.0078125 | 58.1 | 84.2 | 91.4 | 93.6 | 95.6 | 96.0 | 97.8 | 98.7 | 98.7 | 98.7 | 98.7 | 99.2 | 99.4 | 99.4 | 99.4 | 99.6 |
| ≥0.00390625 | 58.1 | 84.2 | 91.4 | 93.6 | 95.6 | 96.0 | 97.8 | 98.7 | 98.7 | 98.7 | 98.7 | 99.2 | 99.4 | 99.4 | 99.4 | 99.6 |
| ≥0.001953125 | 58.1 | 84.2 | 91.4 | 93.6 | 95.6 | 96.0 | 97.8 | 98.7 | 98.7 | 98.7 | 98.7 | 99.2 | 99.4 | 99.4 | 99.4 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227
STATION

WATERTOWN, NY

STATION NAME

74-83

YEAR

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-2300

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|--------|--------|-------|--------|---------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ 0.5 | ≥ 0.25 | ≥ 0.15 | ≥ 0.1 | ≥ 0.05 | ≥ 0.025 | ≥ 0.01 |
| NO CEILING | 24.7 | 30.0 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 |
| ≥ 20000 | 24.7 | 32.7 | 33.6 | 33.6 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| ≥ 18000 | 29.0 | 32.7 | 33.6 | 33.6 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| ≥ 16000 | 29.0 | 32.7 | 33.6 | 33.6 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| ≥ 14000 | 29.3 | 33.0 | 33.9 | 33.9 | 34.7 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| ≥ 12000 | 30.2 | 34.0 | 34.9 | 34.9 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 10000 | 31.2 | 35.6 | 36.4 | 36.4 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 |
| ≥ 9000 | 31.4 | 36.0 | 36.9 | 36.9 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥ 8000 | 34.1 | 39.0 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| ≥ 7000 | 34.7 | 39.9 | 41.1 | 41.1 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |
| ≥ 6000 | 36.3 | 42.8 | 43.9 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 |
| ≥ 5000 | 42.2 | 50.0 | 51.1 | 51.2 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| ≥ 4500 | 44.7 | 52.9 | 54.3 | 54.4 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| ≥ 4000 | 47.8 | 56.6 | 60.1 | 60.3 | 60.6 | 60.6 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| ≥ 3500 | 51.2 | 63.4 | 65.2 | 65.8 | 66.7 | 66.7 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| ≥ 3000 | 54.2 | 70.8 | 72.7 | 73.4 | 73.7 | 73.7 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| ≥ 2500 | 57.4 | 74.3 | 76.4 | 77.4 | 77.8 | 77.8 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| ≥ 2000 | 59.1 | 78.8 | 82.2 | 83.2 | 84.0 | 84.2 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 1800 | 59.2 | 79.8 | 83.6 | 84.6 | 85.4 | 85.7 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| ≥ 1500 | 59.6 | 81.1 | 85.3 | 86.6 | 87.4 | 87.7 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| ≥ 1200 | 59.9 | 82.8 | 87.6 | 89.1 | 90.1 | 90.3 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 1000 | 59.9 | 83.7 | 89.1 | 91.1 | 92.3 | 92.6 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 900 | 59.9 | 83.9 | 89.4 | 91.7 | 92.9 | 93.1 | 93.8 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 800 | 60.1 | 84.4 | 90.6 | 92.9 | 94.3 | 94.6 | 95.7 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 700 | 60.1 | 84.7 | 90.8 | 93.2 | 94.7 | 94.9 | 96.0 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 600 | 60.1 | 84.8 | 90.9 | 93.3 | 95.0 | 95.3 | 96.4 | 96.9 | 96.9 | 96.9 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 500 | 60.1 | 84.8 | 91.2 | 93.8 | 95.7 | 96.0 | 97.2 | 97.8 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 400 | 60.1 | 84.8 | 91.2 | 93.8 | 95.7 | 96.0 | 97.2 | 98.0 | 98.0 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 300 | 60.1 | 84.8 | 91.2 | 93.8 | 95.7 | 96.0 | 97.7 | 98.4 | 98.4 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.3 | 99.3 |
| ≥ 200 | 60.1 | 84.8 | 91.2 | 93.8 | 95.7 | 96.0 | 97.7 | 98.4 | 98.4 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 |
| ≥ 100 | 60.1 | 84.8 | 91.2 | 93.8 | 95.7 | 96.0 | 97.7 | 98.4 | 98.4 | 99.1 | 99.2 | 99.2 | 99.7 | 99.7 | 99.9 | 99.9 |
| ≥ 0 | 60.1 | 84.8 | 91.2 | 93.8 | 95.7 | 96.0 | 97.7 | 98.4 | 98.4 | 99.1 | 99.2 | 99.2 | 99.7 | 99.7 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 74-83 ALBERTA, CANADA

74-83

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|-------|------|-------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ .01 | ≥ 0 |
| NO CEILING | 27.3 | 26.1 | 25.9 | 26.9 | 27.2 | 27.2 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.5 |
| ≥ 20000 | 26.7 | 29.8 | 30.6 | 31.1 | 31.3 | 31.3 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.5 | 31.5 | 31.6 |
| ≥ 18000 | 26.3 | 29.9 | 30.6 | 31.1 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.5 | 31.5 | 31.5 | 31.6 |
| ≥ 16000 | 26.3 | 29.9 | 30.6 | 31.1 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.5 | 31.5 | 31.5 | 31.6 |
| ≥ 14000 | 27.1 | 30.3 | 31.0 | 31.4 | 31.9 | 31.8 | 31.8 | 31.8 | 31.8 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 32.0 |
| ≥ 12000 | 27.6 | 30.9 | 31.7 | 32.1 | 32.4 | 32.5 | 32.5 | 32.5 | 32.5 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.7 |
| ≥ 10000 | 28.7 | 33.8 | 34.6 | 35.1 | 35.4 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.6 | 35.6 | 35.7 |
| ≥ 9000 | 29.9 | 34.1 | 34.9 | 35.4 | 35.7 | 35.8 | 35.8 | 35.8 | 35.8 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 36.0 |
| ≥ 8000 | 32.4 | 37.4 | 38.3 | 38.8 | 39.1 | 39.2 | 39.2 | 39.2 | 39.2 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.4 |
| ≥ 7000 | 33.1 | 38.4 | 39.3 | 39.8 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.4 |
| ≥ 6000 | 34.9 | 40.9 | 41.9 | 42.4 | 42.8 | 42.8 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 43.0 | 43.1 |
| ≥ 5000 | 35.3 | 45.3 | 46.4 | 47.1 | 47.4 | 47.4 | 47.4 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.6 | 47.7 |
| ≥ 4500 | 40.0 | 47.7 | 48.9 | 49.5 | 49.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.2 |
| ≥ 4000 | 43.3 | 52.4 | 54.0 | 54.7 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.4 | 55.4 |
| ≥ 3500 | 46.0 | 57.1 | 59.1 | 59.9 | 60.3 | 60.4 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.6 | 60.6 | 60.7 |
| ≥ 3000 | 52.0 | 63.5 | 65.9 | 67.0 | 67.5 | 67.5 | 67.6 | 67.6 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.8 | 67.8 |
| ≥ 2500 | 52.9 | 68.7 | 71.8 | 72.9 | 73.6 | 73.7 | 73.8 | 73.8 | 73.8 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 74.0 | 74.0 |
| ≥ 2000 | 55.3 | 73.6 | 77.5 | 79.1 | 80.1 | 80.3 | 80.5 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.7 | 80.7 |
| ≥ 1800 | 55.6 | 74.7 | 78.8 | 80.5 | 81.6 | 81.8 | 82.0 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.2 | 82.3 |
| ≥ 1600 | 56.7 | 76.8 | 81.5 | 83.5 | 84.9 | 85.1 | 85.5 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.9 |
| ≥ 1400 | 57.2 | 78.2 | 83.3 | 85.6 | 87.3 | 87.6 | 88.5 | 88.6 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.9 | 89.0 |
| ≥ 1200 | 57.5 | 79.3 | 84.7 | 87.3 | 89.4 | 89.7 | 90.8 | 91.1 | 91.1 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.6 |
| ≥ 1000 | 57.5 | 79.3 | 84.7 | 87.3 | 89.4 | 89.7 | 90.8 | 91.1 | 91.1 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.6 |
| ≥ 900 | 57.5 | 79.3 | 84.7 | 87.3 | 89.4 | 89.7 | 90.8 | 91.1 | 91.1 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.6 |
| ≥ 800 | 57.7 | 80.1 | 86.0 | 88.9 | 91.2 | 91.6 | 92.9 | 93.3 | 93.3 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.1 |
| ≥ 700 | 57.7 | 80.5 | 86.5 | 89.6 | 92.1 | 92.5 | 93.9 | 94.3 | 94.4 | 94.9 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.3 |
| ≥ 600 | 58.0 | 80.6 | 86.8 | 90.1 | 92.8 | 93.2 | 94.6 | 95.2 | 95.3 | 95.9 | 96.0 | 96.1 | 96.2 | 96.2 | 96.3 | 96.3 |
| ≥ 500 | 58.7 | 80.6 | 87.0 | 90.4 | 93.3 | 93.7 | 95.4 | 96.1 | 96.2 | 96.9 | 97.2 | 97.2 | 97.4 | 97.4 | 97.5 | 97.6 |
| ≥ 400 | 58.0 | 80.7 | 87.1 | 90.6 | 93.8 | 94.3 | 95.9 | 96.6 | 96.8 | 97.8 | 98.1 | 98.1 | 98.4 | 98.4 | 98.6 | 98.7 |
| ≥ 300 | 58.0 | 80.7 | 87.1 | 90.7 | 93.9 | 94.4 | 96.2 | 97.0 | 97.2 | 98.3 | 98.6 | 98.7 | 99.0 | 99.1 | 99.3 | 99.4 |
| ≥ 200 | 58.7 | 80.7 | 87.1 | 90.7 | 93.9 | 94.5 | 96.3 | 97.1 | 97.3 | 98.6 | 98.9 | 98.9 | 99.3 | 99.3 | 99.6 | 99.7 |
| ≥ 100 | 58.0 | 80.7 | 87.1 | 90.7 | 93.9 | 94.5 | 96.3 | 97.1 | 97.3 | 98.6 | 98.9 | 98.9 | 99.4 | 99.4 | 99.7 | 99.8 |
| ≥ 0 | 58.0 | 80.7 | 87.1 | 90.7 | 93.9 | 94.5 | 96.3 | 97.1 | 97.3 | 98.6 | 98.9 | 98.9 | 99.4 | 99.4 | 99.7 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 7204

CLIMATE CLIMATOLOGY BRANCH
 CASETAC
 AIR FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-227
 STATION

LATENTOWN NY

STATION NAME

74-83

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1000-0200
 HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 20000 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 18000 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 16000 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 14000 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 12000 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 10000 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 9000 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 8000 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 7000 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 6000 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 5000 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 4500 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 4000 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 3500 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 3000 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 2500 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 2000 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 1800 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 1500 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 1200 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 1000 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 900 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 800 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 700 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 600 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 500 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 400 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 300 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 200 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 100 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| ≥ 0 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 0227 WATER TOWN NY STATION NAME 74-83 YEARS DEC 1990-2000

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | |
|-----------------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ 0 | ≥ 0 |
| NO CEILING ≥ 20000 | 27.3 | 26.9 | 27.3 | 27.4 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| IN 18000 6000 | 27.2 | 26.8 | 26.4 | 28.5 | 23.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 |
| IN 14000 12000 | 26.2 | 26.0 | 28.4 | 28.5 | 26.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 |
| IN 10000 9000 | 26.2 | 26.0 | 28.4 | 28.5 | 26.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 |
| IN 8000 7000 | 29.9 | 33.1 | 33.5 | 33.7 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 |
| IN 6000 5000 | 31.9 | 35.5 | 36.1 | 36.2 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IN 4500 4000 | 37.6 | 42.6 | 43.3 | 43.8 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| IN 3500 3000 | 41.2 | 47.2 | 48.6 | 49.2 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| IN 2500 2000 | 44.7 | 51.7 | 53.4 | 54.2 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| IN 1800 1500 | 52.2 | 72.3 | 77.2 | 79.0 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| IN 1200 1000 | 52.9 | 76.7 | 82.7 | 84.5 | 87.6 | 87.6 | 88.1 | 88.3 | 88.3 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| IN 900 800 | 53.1 | 77.4 | 83.1 | 85.6 | 88.8 | 88.8 | 89.5 | 89.9 | 89.9 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| IN 700 600 | 53.1 | 78.0 | 84.3 | 87.2 | 90.6 | 90.8 | 91.6 | 92.2 | 92.2 | 93.8 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 |
| IN 500 400 | 53.1 | 78.4 | 84.9 | 88.0 | 91.6 | 91.8 | 93.3 | 94.1 | 94.1 | 96.5 | 97.2 | 97.4 | 98.2 | 98.3 | 98.3 |
| IN 300 200 | 53.1 | 78.4 | 84.9 | 88.0 | 91.6 | 91.8 | 93.3 | 94.1 | 94.1 | 96.5 | 97.2 | 97.4 | 98.4 | 98.7 | 99.2 |
| IN 100 0 | 53.1 | 78.4 | 84.9 | 88.0 | 91.6 | 91.8 | 93.3 | 94.1 | 94.1 | 96.5 | 97.2 | 97.4 | 98.4 | 98.7 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS 936

CLIMATE CLIMATOLOGY BRANCH
ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1227
STATION

WATERTOWN NY
STATION NAME

74-83
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO READING | 27.1 | 24.7 | 25.5 | 25.5 | 25.6 | 25.6 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 |
| ≥12000 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥18000 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥16000 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥14000 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥12000 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥10000 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥9000 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥8000 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥7000 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥6000 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥5000 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥4500 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥4000 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥3500 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥3000 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥2500 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥2000 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥1800 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥1500 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥1200 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥1000 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥900 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥800 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥700 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥600 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥500 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥400 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥300 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥200 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥100 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥0 | 27.1 | 27.5 | 28.1 | 28.1 | 28.2 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATOLOGY BRANCH
AFETAT
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
000227

STATION NAME
AIRTOWN NY

74-83

YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-1100
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1.4 | ≥1 | ≥.4 | ≥.3 | ≥.25 | ≥.2 | ≥.16 | ≥.1 |
| NO CEILING | 10.0 | 21.0 | 21.0 | 21.9 | 21.9 | 21.9 | 21.9 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| ≥ 20000 | 22.3 | 24.4 | 25.1 | 25.4 | 25.4 | 25.4 | 25.4 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 |
| ≥ 18000 | 22.3 | 24.4 | 25.1 | 25.4 | 25.4 | 25.4 | 25.4 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 |
| ≥ 16000 | 22.3 | 24.4 | 25.1 | 25.4 | 25.4 | 25.4 | 25.4 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 |
| ≥ 14000 | 27.1 | 25.4 | 26.0 | 26.3 | 26.3 | 26.3 | 26.3 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| ≥ 12000 | 27.4 | 26.3 | 26.8 | 27.1 | 27.1 | 27.1 | 27.1 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 |
| ≥ 10000 | 26.5 | 30.1 | 30.8 | 31.2 | 31.2 | 31.2 | 31.2 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| ≥ 9000 | 26.8 | 30.4 | 31.1 | 31.5 | 31.5 | 31.5 | 31.5 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 |
| ≥ 8000 | 27.9 | 34.1 | 34.8 | 35.4 | 35.4 | 35.4 | 35.4 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.6 | 35.6 | 35.6 |
| ≥ 7000 | 30.2 | 34.4 | 35.4 | 35.9 | 35.9 | 35.9 | 35.9 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.1 | 36.1 | 36.1 |
| ≥ 6000 | 31.7 | 35.5 | 36.2 | 36.8 | 36.8 | 36.8 | 36.8 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 37.0 | 37.0 | 37.0 |
| ≥ 5000 | 34.1 | 40.1 | 41.1 | 42.2 | 42.3 | 42.3 | 42.3 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.5 | 42.5 | 42.5 |
| ≥ 4500 | 34.4 | 41.3 | 42.3 | 43.3 | 43.4 | 43.4 | 43.4 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.7 | 43.7 | 43.7 |
| ≥ 4000 | 37.3 | 45.7 | 47.1 | 48.6 | 49.0 | 49.0 | 49.0 | 49.1 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.5 | 49.6 | 49.6 |
| ≥ 3500 | 37.9 | 48.0 | 49.6 | 51.4 | 51.8 | 51.9 | 52.0 | 52.3 | 52.3 | 52.3 | 52.5 | 52.6 | 52.6 | 52.7 | 52.7 | 52.7 |
| ≥ 3000 | 42.3 | 54.7 | 57.1 | 59.8 | 60.5 | 60.6 | 60.9 | 61.1 | 61.1 | 61.3 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 |
| ≥ 2500 | 41.5 | 60.4 | 63.7 | 67.4 | 68.9 | 69.2 | 69.9 | 70.0 | 70.0 | 70.3 | 70.4 | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 |
| ≥ 2000 | 47.3 | 63.4 | 67.1 | 71.1 | 74.1 | 74.6 | 75.7 | 76.0 | 76.0 | 76.3 | 76.5 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 |
| ≥ 1800 | 47.5 | 64.2 | 68.3 | 73.2 | 75.6 | 76.1 | 77.3 | 77.7 | 77.7 | 78.2 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 |
| ≥ 1600 | 48.0 | 65.3 | 70.4 | 75.8 | 79.1 | 79.8 | 81.4 | 82.0 | 82.0 | 82.8 | 83.0 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 |
| ≥ 1400 | 48.7 | 66.6 | 72.7 | 77.8 | 81.9 | 82.8 | 84.6 | 85.6 | 85.6 | 86.3 | 86.7 | 86.8 | 87.0 | 87.0 | 87.0 | 87.0 |
| ≥ 1200 | 47.9 | 67.5 | 73.2 | 79.1 | 83.5 | 84.5 | 87.7 | 88.6 | 88.8 | 89.8 | 90.1 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 900 | 47.9 | 67.7 | 73.4 | 79.5 | 83.9 | 84.8 | 87.5 | 89.2 | 89.6 | 90.8 | 91.2 | 91.3 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 800 | 49.0 | 68.0 | 73.8 | 79.8 | 84.4 | 85.5 | 88.4 | 90.2 | 90.5 | 92.6 | 93.0 | 93.2 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 700 | 49.7 | 68.0 | 73.9 | 80.1 | 84.7 | 85.8 | 88.8 | 90.6 | 91.0 | 93.0 | 93.5 | 93.8 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 600 | 49.0 | 68.1 | 74.0 | 80.4 | 85.1 | 86.1 | 89.2 | 91.2 | 91.5 | 93.8 | 94.4 | 94.6 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 500 | 49.0 | 68.1 | 74.0 | 80.9 | 85.5 | 86.7 | 89.9 | 91.9 | 92.3 | 94.8 | 95.6 | 95.9 | 97.5 | 97.6 | 98.0 | 98.0 |
| ≥ 400 | 49.0 | 68.2 | 74.1 | 81.1 | 85.8 | 87.0 | 90.4 | 92.7 | 93.0 | 95.6 | 96.5 | 96.8 | 98.4 | 98.5 | 99.0 | 99.0 |
| ≥ 300 | 49.0 | 68.2 | 74.1 | 81.1 | 85.8 | 87.0 | 90.4 | 92.7 | 93.0 | 95.6 | 96.5 | 96.8 | 98.6 | 98.8 | 99.5 | 99.5 |
| ≥ 200 | 49.0 | 68.2 | 74.1 | 81.1 | 85.8 | 87.0 | 90.4 | 92.7 | 93.0 | 95.6 | 96.5 | 96.8 | 98.6 | 98.8 | 99.6 | 99.7 |
| ≥ 100 | 49.0 | 68.2 | 74.1 | 81.1 | 85.8 | 87.0 | 90.4 | 92.7 | 93.0 | 95.6 | 96.5 | 96.8 | 98.6 | 98.8 | 99.6 | 99.7 |
| ≥ 0 | 49.0 | 68.2 | 74.1 | 81.1 | 85.8 | 87.0 | 90.4 | 92.7 | 93.0 | 95.6 | 96.5 | 96.8 | 98.6 | 98.8 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227
STATION

ATERTOWN NY
STATION NAME

74-83
YEAR

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
SOLAR TIME

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1.2 | ≥1 | ≥.8 | ≥.6 | ≥.5 | ≥.4 | ≥.3 | ≥.2 |
| NO CEILING ≥ 20000 | 21.7 | 23.7 | 24.0 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 |
| ≥ 18000 | 24.1 | 26.1 | 26.4 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| ≥ 16000 | 24.1 | 26.1 | 26.4 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| ≥ 14000 | 24.1 | 26.4 | 26.7 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 |
| ≥ 12000 | 27.3 | 29.8 | 30.1 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| ≥ 10000 | 30.0 | 32.7 | 33.0 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 |
| ≥ 9000 | 30.2 | 32.9 | 33.2 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| ≥ 8000 | 31.9 | 36.3 | 36.3 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| ≥ 7000 | 33.4 | 37.6 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 |
| ≥ 6000 | 35.1 | 39.6 | 39.9 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| ≥ 5000 | 37.3 | 43.3 | 44.0 | 44.1 | 44.1 | 44.1 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| ≥ 4500 | 37.8 | 44.1 | 44.7 | 44.8 | 44.8 | 44.8 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| ≥ 4000 | 39.9 | 48.3 | 49.0 | 49.8 | 49.8 | 49.8 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| ≥ 3500 | 41.5 | 50.9 | 52.0 | 53.0 | 53.0 | 53.0 | 53.3 | 53.3 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| ≥ 3000 | 45.1 | 55.4 | 57.2 | 58.7 | 58.7 | 58.7 | 59.7 | 59.2 | 59.2 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| ≥ 2500 | 47.7 | 59.9 | 62.5 | 65.1 | 65.7 | 65.7 | 66.7 | 66.2 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| ≥ 2000 | 48.9 | 64.0 | 67.3 | 71.2 | 72.8 | 72.9 | 73.5 | 74.1 | 74.1 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| ≥ 1800 | 49.1 | 64.4 | 67.7 | 71.9 | 73.5 | 73.7 | 74.4 | 74.9 | 74.9 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| ≥ 1500 | 49.8 | 66.0 | 69.7 | 74.5 | 76.8 | 77.0 | 78.2 | 79.0 | 79.0 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| ≥ 1200 | 50.1 | 67.6 | 72.0 | 77.4 | 80.6 | 80.9 | 82.9 | 84.1 | 84.1 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| ≥ 1000 | 50.4 | 68.5 | 73.1 | 78.7 | 82.8 | 83.1 | 85.6 | 87.4 | 87.6 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥ 900 | 50.4 | 68.6 | 73.2 | 78.8 | 82.9 | 83.4 | 86.1 | 88.2 | 88.4 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 800 | 50.4 | 68.6 | 73.4 | 79.2 | 83.8 | 84.5 | 87.3 | 89.7 | 90.0 | 92.8 | 93.1 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 700 | 50.4 | 68.6 | 73.4 | 79.2 | 83.8 | 84.5 | 87.4 | 89.8 | 90.1 | 93.0 | 93.7 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 600 | 50.4 | 68.6 | 73.4 | 79.2 | 83.9 | 84.6 | 87.5 | 89.9 | 90.2 | 93.2 | 94.0 | 94.2 | 94.6 | 94.7 | 94.7 | 94.7 |
| ≥ 500 | 50.4 | 68.6 | 73.4 | 79.2 | 84.0 | 84.7 | 87.7 | 90.3 | 90.6 | 94.2 | 95.3 | 95.5 | 96.8 | 97.0 | 97.1 | 97.1 |
| ≥ 400 | 50.4 | 68.6 | 73.7 | 79.7 | 84.5 | 85.4 | 88.4 | 91.1 | 91.4 | 95.2 | 96.3 | 96.6 | 98.3 | 98.5 | 98.6 | 98.6 |
| ≥ 300 | 50.4 | 68.6 | 73.7 | 79.7 | 84.5 | 85.4 | 88.4 | 91.1 | 91.4 | 95.5 | 96.7 | 96.9 | 98.8 | 99.1 | 99.4 | 99.4 |
| ≥ 200 | 50.4 | 68.6 | 73.7 | 79.7 | 84.5 | 85.4 | 88.4 | 91.1 | 91.4 | 95.5 | 96.7 | 96.9 | 98.8 | 99.1 | 99.6 | 99.8 |
| ≥ 100 | 50.4 | 68.6 | 73.7 | 79.7 | 84.5 | 85.4 | 88.4 | 91.1 | 91.4 | 95.5 | 96.7 | 96.9 | 98.8 | 99.1 | 99.7 | 99.9 |
| ≥ 0 | 50.4 | 68.6 | 73.7 | 79.7 | 84.5 | 85.4 | 88.4 | 91.1 | 91.4 | 95.5 | 96.7 | 96.9 | 98.8 | 99.1 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 934

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAL

CEILING VERSUS VISIBILITY

74-63
 STATION

ATERTOWN NY
 STATION NAME

74-63
 YEARS

DEC
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
 HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|----------------------|--------------------------|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1.0 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.01 | ≥0.00 |
| NO. CEILING 20000 | 12.3 | 21.9 | 22.3 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 |
| 2 20000 | 23.3 | 27.2 | 27.7 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 2 18000 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 16000 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 14000 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 12000 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 10000 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 9000 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 8000 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 7000 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 6000 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 5000 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 4500 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 4000 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 3500 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 3000 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 2500 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 2000 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 1800 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 1600 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 1400 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 1200 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 1000 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 900 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 800 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 700 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 600 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 500 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 400 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 300 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 200 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 100 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| 2 0 | 23.3 | 27.3 | 27.8 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH
STATETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-227
STATION

WATERTOWN, NY

STATION NAME

74-83

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1960-2000
HOURLY

| CEILING FEET | VISIBILITY, STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|---------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.4 | ≥ 1 | ≥ .8 | ≥ .6 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ 0 |
| NO CEILING | 27.2 | 23.7 | 23.8 | 23.9 | 24.1 | 24.1 | 24.1 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.4 | 24.4 | 24.4 |
| ≥ 20000 | 24.4 | 26.3 | 26.5 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 27.0 | 27.0 | 27.0 |
| ≥ 18000 | 24.4 | 26.3 | 26.5 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 27.0 | 27.0 | 27.0 |
| ≥ 16000 | 24.4 | 26.3 | 26.5 | 26.6 | 26.8 | 26.8 | 26.8 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 27.0 | 27.0 | 27.0 |
| ≥ 14000 | 25.2 | 26.9 | 27.2 | 27.3 | 27.5 | 27.5 | 27.5 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.7 | 27.7 | 27.7 |
| ≥ 12000 | 27.2 | 28.9 | 29.1 | 29.2 | 29.4 | 29.4 | 29.4 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.6 | 29.6 | 29.6 |
| ≥ 10000 | 29.6 | 31.9 | 32.1 | 32.2 | 32.4 | 32.4 | 32.4 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.7 | 32.7 | 32.7 |
| ≥ 9000 | 29.7 | 32.0 | 32.2 | 32.3 | 32.5 | 32.5 | 32.5 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.8 | 32.8 | 32.8 |
| ≥ 8000 | 31.7 | 35.3 | 35.7 | 35.9 | 36.1 | 36.1 | 36.1 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.3 | 36.3 | 36.3 |
| ≥ 7000 | 31.7 | 35.6 | 35.9 | 36.1 | 36.3 | 36.3 | 36.3 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.5 | 36.5 | 36.5 |
| ≥ 6000 | 32.9 | 37.8 | 38.3 | 38.5 | 38.7 | 38.7 | 38.7 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.9 | 38.9 | 38.9 |
| ≥ 5000 | 35.6 | 41.3 | 41.8 | 42.1 | 42.2 | 42.2 | 42.2 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.5 | 42.5 | 42.5 |
| ≥ 4500 | 37.1 | 43.8 | 44.4 | 44.7 | 45.0 | 45.0 | 45.0 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.3 | 45.3 | 45.3 |
| ≥ 4000 | 40.0 | 46.4 | 46.9 | 47.5 | 47.8 | 47.8 | 47.8 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 48.0 | 48.0 | 48.0 |
| ≥ 3500 | 43.4 | 53.6 | 54.5 | 55.0 | 55.3 | 55.3 | 55.3 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.5 | 55.5 | 55.5 |
| ≥ 3000 | 47.7 | 60.2 | 61.9 | 62.7 | 63.5 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 |
| ≥ 2500 | 49.1 | 65.8 | 68.0 | 69.3 | 70.2 | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.5 | 70.5 | 70.5 |
| ≥ 2000 | 50.6 | 70.9 | 74.5 | 76.3 | 77.6 | 77.7 | 77.7 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 78.0 | 78.0 | 78.0 |
| ≥ 1800 | 51.2 | 72.5 | 76.4 | 78.4 | 79.7 | 79.8 | 79.8 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.2 | 80.2 | 80.2 |
| ≥ 1500 | 51.5 | 74.8 | 79.5 | 82.7 | 84.6 | 84.9 | 85.3 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 |
| ≥ 1200 | 51.5 | 75.3 | 80.6 | 83.9 | 86.5 | 87.1 | 87.8 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 |
| ≥ 1000 | 51.5 | 75.8 | 81.4 | 84.8 | 88.0 | 88.7 | 90.2 | 90.7 | 90.8 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 |
| ≥ 900 | 51.5 | 75.9 | 81.8 | 85.3 | 88.6 | 89.2 | 90.8 | 91.5 | 91.6 | 92.1 | 92.2 | 92.2 | 92.2 | 92.5 | 92.5 | 92.5 |
| ≥ 800 | 51.5 | 75.9 | 81.8 | 85.5 | 88.8 | 89.4 | 91.1 | 91.9 | 92.0 | 92.8 | 93.1 | 93.1 | 93.1 | 93.4 | 93.4 | 93.4 |
| ≥ 700 | 51.5 | 76.0 | 82.0 | 85.9 | 89.5 | 90.2 | 91.8 | 92.8 | 92.9 | 93.8 | 94.1 | 94.1 | 94.1 | 94.4 | 94.4 | 94.4 |
| ≥ 600 | 51.5 | 76.2 | 82.3 | 86.2 | 90.2 | 90.8 | 92.5 | 93.5 | 93.6 | 94.6 | 95.2 | 95.2 | 95.2 | 95.7 | 95.7 | 95.7 |
| ≥ 500 | 51.5 | 76.3 | 82.4 | 86.6 | 90.7 | 91.4 | 93.0 | 94.2 | 94.4 | 95.6 | 96.3 | 96.4 | 96.4 | 97.3 | 97.3 | 97.3 |
| ≥ 400 | 51.5 | 76.3 | 82.5 | 86.7 | 90.9 | 91.6 | 93.2 | 94.4 | 94.6 | 95.9 | 96.9 | 97.1 | 97.1 | 98.3 | 98.4 | 98.4 |
| ≥ 300 | 51.5 | 76.3 | 82.7 | 86.9 | 91.1 | 91.7 | 93.3 | 94.5 | 94.7 | 96.1 | 97.1 | 97.3 | 97.3 | 98.9 | 99.1 | 99.1 |
| ≥ 200 | 51.5 | 76.3 | 82.7 | 86.9 | 91.1 | 91.7 | 93.3 | 94.5 | 94.7 | 96.1 | 97.1 | 97.3 | 97.3 | 99.0 | 99.2 | 99.7 |
| ≥ 100 | 51.5 | 76.3 | 82.7 | 86.9 | 91.1 | 91.7 | 93.3 | 94.5 | 94.7 | 96.1 | 97.1 | 97.3 | 97.3 | 99.0 | 99.2 | 99.8 |
| ≥ 0 | 51.5 | 76.3 | 82.7 | 86.9 | 91.1 | 91.7 | 93.3 | 94.5 | 94.7 | 96.1 | 97.1 | 97.3 | 97.3 | 99.0 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 926

LOCAL CLIMATOLOGY BRANCH
 AFETAC
 AIRCRAFT SERVICE /MAC

CEILING VERSUS VISIBILITY

STATION 227 LATERTOWN, NY STATION NAME 74-23 YEAR DEC 2130-2300

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥20000 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥18000 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥16000 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥14000 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥12000 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥10000 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥9000 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥8000 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥7000 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥6000 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥5000 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥4500 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥4000 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥3500 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥3000 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥2500 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥2000 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥1800 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥1500 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥1200 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥1000 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥900 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥800 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥700 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥600 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥500 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥400 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥300 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥200 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥100 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥0 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

100227
STATION

LATERTOWN NY

STATION NAME

74-83

YEAR

250

MO

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.75 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0 |
| NO CEILING | 27.7 | 74.6 | 24.9 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.2 | 25.2 | 25.2 |
| ≥20000 | 27.7 | 27.4 | 27.7 | 27.7 | 27.9 | 27.9 | 28.7 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| ≥18000 | 27.7 | 27.4 | 27.7 | 27.9 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| ≥16000 | 27.7 | 27.4 | 27.7 | 27.9 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| ≥14000 | 27.7 | 27.8 | 28.2 | 28.3 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| ≥12000 | 27.7 | 28.7 | 29.1 | 29.2 | 29.3 | 29.3 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 |
| ≥10000 | 27.7 | 31.6 | 31.9 | 32.1 | 32.2 | 32.2 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 |
| ≥9000 | 27.7 | 31.7 | 32.1 | 32.3 | 32.3 | 32.3 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| ≥8000 | 37.1 | 34.4 | 34.7 | 35.1 | 35.1 | 35.1 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥7000 | 37.1 | 35.1 | 35.4 | 35.7 | 35.7 | 35.7 | 35.9 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 |
| ≥6000 | 37.1 | 37.1 | 37.6 | 37.9 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 |
| ≥5000 | 37.1 | 41.4 | 42.1 | 42.5 | 42.6 | 42.6 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥4500 | 37.1 | 43.2 | 44.0 | 44.4 | 44.5 | 44.5 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 |
| ≥4000 | 40.1 | 45.1 | 49.1 | 49.7 | 49.9 | 49.9 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| ≥3500 | 42.6 | 51.8 | 53.1 | 53.8 | 54.1 | 54.1 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| ≥3000 | 44.4 | 58.2 | 60.2 | 61.4 | 61.9 | 62.0 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| ≥2500 | 46.9 | 63.7 | 66.6 | 68.3 | 69.2 | 69.3 | 69.5 | 69.6 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| ≥2000 | 50.5 | 68.5 | 72.4 | 74.9 | 76.2 | 76.4 | 76.9 | 77.1 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| ≥1800 | 57.4 | 69.5 | 73.7 | 76.4 | 77.9 | 78.1 | 78.7 | 78.9 | 78.9 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| ≥1500 | 51.4 | 71.9 | 76.7 | 80.0 | 82.2 | 82.5 | 83.3 | 83.7 | 83.7 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| ≥1200 | 51.6 | 73.0 | 78.3 | 82.0 | 84.7 | 85.2 | 86.3 | 86.9 | 87.0 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥1000 | 51.9 | 73.6 | 79.3 | 83.2 | 86.4 | 87.0 | 88.6 | 89.6 | 89.7 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥900 | 51.9 | 73.8 | 79.6 | 83.6 | 86.9 | 87.5 | 89.3 | 90.3 | 90.4 | 91.6 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥800 | 51.9 | 73.9 | 79.9 | 84.0 | 87.5 | 88.1 | 90.1 | 91.3 | 91.4 | 93.0 | 93.4 | 93.5 | 93.6 | 93.6 | 93.7 | 93.7 |
| ≥700 | 51.9 | 74.0 | 80.0 | 84.3 | 87.9 | 88.6 | 90.7 | 91.9 | 92.0 | 93.8 | 94.3 | 94.3 | 94.5 | 94.5 | 94.6 | 94.6 |
| ≥600 | 51.9 | 74.2 | 80.2 | 84.6 | 88.4 | 89.1 | 91.2 | 92.5 | 92.7 | 94.6 | 95.1 | 95.2 | 95.5 | 95.6 | 95.6 | 95.6 |
| ≥500 | 51.9 | 74.2 | 80.3 | 84.9 | 88.7 | 89.4 | 91.6 | 93.1 | 93.2 | 95.6 | 96.3 | 96.4 | 97.1 | 97.1 | 97.3 | 97.3 |
| ≥400 | 51.9 | 74.3 | 80.4 | 85.0 | 88.9 | 89.7 | 92.0 | 93.6 | 93.7 | 96.1 | 96.9 | 97.0 | 98.1 | 98.2 | 98.4 | 98.4 |
| ≥300 | 51.9 | 74.3 | 80.4 | 85.0 | 89.0 | 89.7 | 92.1 | 93.6 | 93.8 | 96.3 | 97.1 | 97.3 | 98.6 | 98.7 | 99.0 | 99.0 |
| ≥200 | 51.9 | 74.3 | 80.4 | 85.0 | 89.0 | 89.7 | 92.1 | 93.6 | 93.8 | 96.3 | 97.2 | 97.3 | 98.7 | 99.0 | 99.4 | 99.4 |
| ≥100 | 51.9 | 74.3 | 80.4 | 85.0 | 89.0 | 89.7 | 92.1 | 93.6 | 93.8 | 96.3 | 97.2 | 97.3 | 98.7 | 99.0 | 99.5 | 99.7 |
| ≥50 | 51.9 | 74.3 | 80.4 | 85.0 | 89.0 | 89.7 | 92.1 | 93.6 | 93.8 | 96.3 | 97.2 | 97.3 | 98.7 | 99.0 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7435

AL PAL CLIMATOLOGY BRANCH
 AFETAC
 AFETAC SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 74-83 YEARS ALL
 STATION NAME ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 33.2 | 31.5 | 39.9 | 40.7 | 41.3 | 41.4 | 41.5 | 41.5 | 41.5 | 41.6 | 41.6 | 41.6 | 41.7 | 41.7 | 41.7 | 41.6 |
| ≥ 20000 | 36.3 | 42.8 | 44.0 | 45.1 | 45.8 | 45.8 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.3 |
| ≥ 18000 | 31.3 | 42.8 | 44.1 | 45.1 | 45.9 | 45.9 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.3 |
| ≥ 16000 | 36.3 | 42.8 | 44.1 | 45.1 | 45.9 | 45.9 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.3 |
| ≥ 14000 | 36.7 | 43.1 | 44.6 | 45.7 | 46.4 | 46.4 | 46.6 | 46.6 | 46.6 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.8 | 46.9 |
| ≥ 12000 | 37.6 | 44.3 | 45.8 | 46.9 | 47.7 | 47.7 | 47.9 | 47.9 | 47.9 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.1 |
| ≥ 10000 | 39.9 | 47.4 | 49.1 | 50.4 | 51.2 | 51.3 | 51.4 | 51.5 | 51.5 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.7 | 51.7 |
| ≥ 9000 | 40.7 | 47.7 | 49.4 | 50.7 | 51.5 | 51.6 | 51.8 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 52.0 | 52.0 |
| ≥ 8000 | 42.0 | 50.7 | 52.6 | 54.1 | 54.9 | 55.0 | 55.2 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 | 55.4 | 55.4 | 55.4 | 55.5 |
| ≥ 7000 | 42.5 | 51.5 | 53.5 | 55.1 | 55.9 | 55.9 | 56.1 | 56.2 | 56.2 | 56.2 | 56.3 | 56.3 | 56.3 | 56.3 | 56.4 | 56.4 |
| ≥ 6000 | 43.7 | 53.2 | 55.3 | 56.9 | 57.8 | 57.9 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.3 | 58.3 | 58.3 | 58.4 |
| ≥ 5000 | 45.9 | 56.7 | 59.2 | 61.9 | 61.9 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.5 |
| ≥ 4500 | 46.7 | 58.2 | 60.8 | 62.5 | 63.6 | 63.7 | 63.9 | 64.0 | 64.0 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.2 | 64.2 |
| ≥ 4000 | 47.7 | 61.6 | 64.5 | 66.5 | 67.7 | 67.8 | 68.0 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 | 68.4 |
| ≥ 3500 | 50.7 | 64.5 | 67.6 | 69.7 | 71.0 | 71.1 | 71.4 | 71.5 | 71.5 | 71.6 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 | 71.8 |
| ≥ 3000 | 52.9 | 68.3 | 71.8 | 74.3 | 75.8 | 75.9 | 76.2 | 76.3 | 76.3 | 76.4 | 76.4 | 76.4 | 76.5 | 76.5 | 76.5 | 76.6 |
| ≥ 2500 | 54.4 | 71.5 | 75.5 | 78.2 | 80.7 | 80.2 | 80.5 | 80.6 | 80.6 | 80.8 | 80.8 | 80.8 | 80.8 | 80.9 | 80.9 | 81.0 |
| ≥ 2000 | 55.7 | 74.4 | 78.9 | 82.7 | 84.1 | 84.4 | 84.9 | 85.7 | 85.1 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.4 |
| ≥ 1800 | 55.9 | 75.3 | 79.6 | 82.8 | 85.0 | 85.3 | 85.8 | 86.0 | 86.0 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.3 | 86.3 |
| ≥ 1500 | 56.5 | 76.5 | 81.6 | 85.1 | 87.6 | 87.9 | 88.6 | 88.9 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.3 | 89.3 |
| ≥ 1200 | 56.8 | 77.5 | 82.9 | 86.6 | 89.4 | 89.7 | 90.7 | 91.1 | 91.1 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.6 | 91.6 |
| ≥ 1000 | 57.7 | 78.1 | 83.8 | 87.7 | 90.8 | 91.2 | 92.4 | 92.9 | 93.0 | 93.4 | 93.5 | 93.5 | 93.6 | 93.6 | 93.7 | 93.7 |
| ≥ 900 | 57.0 | 78.3 | 84.0 | 88.0 | 91.2 | 91.6 | 92.9 | 93.4 | 93.5 | 94.0 | 94.1 | 94.1 | 94.2 | 94.2 | 94.3 | 94.3 |
| ≥ 800 | 57.1 | 78.5 | 84.4 | 88.5 | 91.8 | 92.3 | 93.7 | 94.3 | 94.4 | 95.1 | 95.2 | 95.2 | 95.3 | 95.4 | 95.4 | 95.5 |
| ≥ 700 | 57.1 | 78.7 | 84.7 | 88.9 | 92.3 | 92.8 | 94.3 | 94.9 | 95.0 | 95.8 | 96.0 | 96.0 | 96.1 | 96.1 | 96.2 | 96.3 |
| ≥ 600 | 57.1 | 78.9 | 84.9 | 89.2 | 92.7 | 93.3 | 94.8 | 95.5 | 95.6 | 96.5 | 96.7 | 96.7 | 96.9 | 96.9 | 97.0 | 97.0 |
| ≥ 500 | 57.1 | 79.0 | 85.1 | 89.5 | 93.2 | 93.8 | 95.5 | 96.3 | 96.4 | 97.4 | 97.7 | 97.7 | 98.0 | 98.0 | 98.1 | 98.2 |
| ≥ 400 | 57.1 | 79.0 | 85.2 | 89.7 | 93.5 | 94.1 | 95.8 | 96.7 | 96.8 | 97.9 | 98.2 | 98.3 | 98.6 | 98.6 | 98.8 | 98.9 |
| ≥ 300 | 57.1 | 79.0 | 85.3 | 89.7 | 93.6 | 94.2 | 96.0 | 96.9 | 97.0 | 98.2 | 98.5 | 98.6 | 99.0 | 99.1 | 99.2 | 99.3 |
| ≥ 200 | 57.1 | 79.0 | 85.3 | 89.8 | 93.6 | 94.2 | 96.7 | 96.9 | 97.1 | 98.3 | 98.6 | 98.7 | 99.2 | 99.3 | 99.5 | 99.6 |
| ≥ 100 | 57.1 | 79.0 | 85.3 | 89.8 | 93.6 | 94.2 | 96.7 | 96.9 | 97.1 | 98.3 | 98.7 | 98.7 | 99.2 | 99.3 | 99.6 | 99.7 |
| ≥ 0 | 57.1 | 79.0 | 85.3 | 89.8 | 93.6 | 94.2 | 96.0 | 96.9 | 97.1 | 98.3 | 98.7 | 98.7 | 99.2 | 99.3 | 99.6 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 66951

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED, BROKEN,
OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

SKY COVER

JAN

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JAN | 30-02 | 19.3 | | | 9.1 | | | | | | 2.1 | 63.0 | 7.3 | 929 |
| | 03-05 | 19.3 | | | 10.3 | | | | | | 7.6 | 62.3 | 7.2 | 930 |
| | 06-08 | 14.5 | | | 14.3 | | | | | | 10.3 | 60.9 | 7.4 | 930 |
| | 09-11 | 10.4 | | | 14.9 | | | | | | 19.4 | 55.3 | 7.7 | 930 |
| | 12-14 | 11.3 | | | 15.5 | | | | | | 16.2 | 57.0 | 7.6 | 930 |
| | 15-17 | 10.5 | | | 14.9 | | | | | | 14.1 | 60.4 | 7.8 | 930 |
| | 18-20 | 15.5 | | | 13.8 | | | | | | 10.9 | 59.9 | 7.4 | 930 |
| | 21-23 | 16.3 | | | 12.6 | | | | | | 9.7 | 59.4 | 7.2 | 926 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 15.2 | | | 13.2 | | | | | | 12.0 | 59.8 | 7.5 | 7437 |

SKY COVER

FEB
MONT

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|-----|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| FEB | 00-02 | 23.2 | | | 11.8 | | | | | | 10.1 | 54.9 | 6.7 | 844 |
| | 03-05 | 22.9 | | | 13.3 | | | | | | 8.9 | 54.8 | 6.7 | 841 |
| | 06-08 | 19.2 | | | 12.9 | | | | | | 11.9 | 56.1 | 7.1 | 840 |
| | 09-11 | 13.6 | | | 15.5 | | | | | | 18.2 | 52.7 | 7.4 | 840 |
| | 12-14 | 13.5 | | | 18.4 | | | | | | 18.1 | 50.0 | 7.2 | 842 |
| | 15-17 | 12.9 | | | 19.3 | | | | | | 17.6 | 50.2 | 7.2 | 846 |
| | 18-20 | 15.6 | | | 22.3 | | | | | | 12.2 | 49.9 | 6.8 | 846 |
| | 21-23 | 19.9 | | | 15.8 | | | | | | 12.8 | 51.5 | 6.8 | 846 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 17.6 | | | 16.2 | | | | | | 13.7 | 52.5 | 7.0 | 674 |

SKY COVER

MAR
MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| MAR | 00-02 | 27.0 | | | 11.5 | | | | | | 10.1 | 51.5 | 6.4 | 925 |
| | 03-05 | 26.3 | | | 12.1 | | | | | | 10.2 | 51.5 | 6.4 | 925 |
| | 06-08 | 15.3 | | | 19.0 | | | | | | 11.1 | 54.5 | 7.0 | 926 |
| | 09-11 | 13.2 | | | 20.3 | | | | | | 16.8 | 49.6 | 7.1 | 929 |
| | 12-14 | 11.3 | | | 20.4 | | | | | | 19.7 | 48.6 | 7.2 | 930 |
| | 15-17 | 11.3 | | | 20.5 | | | | | | 18.2 | 50.0 | 7.3 | 930 |
| | 18-20 | 15.6 | | | 19.1 | | | | | | 14.0 | 51.3 | 7.0 | 930 |
| | 21-23 | 23.5 | | | 14.3 | | | | | | 11.2 | 51.0 | 6.5 | 929 |
| TOTALS | | 17.9 | | | 17.2 | | | | | | 13.9 | 51.2 | 6.9 | 7424 |

SKY COVER

APR
MONTH

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| AUG | 00-02 | 33.6 | | | 12.8 | | | | | | 8.1 | 45.4 | 5.7 | 896 |
| | 03-05 | 31.3 | | | 14.7 | | | | | | 8.5 | 45.5 | 5.8 | 895 |
| | 06-08 | 21.5 | | | 20.1 | | | | | | 13.1 | 45.4 | 6.3 | 895 |
| | 09-11 | 17.1 | | | 22.2 | | | | | | 14.4 | 46.2 | 6.6 | 900 |
| | 12-14 | 13.7 | | | 22.1 | | | | | | 18.1 | 46.1 | 6.9 | 900 |
| | 15-17 | 13.6 | | | 22.1 | | | | | | 21.3 | 43.0 | 6.9 | 900 |
| | 18-20 | 15.6 | | | 26.0 | | | | | | 17.0 | 41.4 | 6.5 | 900 |
| | 21-23 | 28.4 | | | 19.5 | | | | | | 10.0 | 42.1 | 5.7 | 898 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 21.9 | | | 19.9 | | | | | | 13.8 | 44.4 | 6.3 | 7184 |

SKY COVER

STATION NAME

74-83

PERIOD

44
MON

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| MAY | 00-02 | 38.3 | | | 16.7 | | | | | | 10.6 | 34.4 | 4.9 | 822 |
| | 03-05 | 27.8 | | | 23.4 | | | | | | 12.1 | 36.6 | 5.5 | 849 |
| | 06-08 | 18.0 | | | 21.1 | | | | | | 20.0 | 40.9 | 6.5 | 924 |
| | 09-11 | 14.3 | | | 24.4 | | | | | | 20.0 | 41.2 | 6.7 | 929 |
| | 12-14 | 12.7 | | | 28.2 | | | | | | 23.6 | 35.5 | 6.5 | 929 |
| | 15-17 | 12.1 | | | 26.4 | | | | | | 24.7 | 34.9 | 6.6 | 929 |
| | 18-20 | 14.5 | | | 29.0 | | | | | | 22.4 | 34.1 | 6.3 | 928 |
| | 21-23 | 27.7 | | | 23.7 | | | | | | 15.2 | 33.4 | 5.4 | 866 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 20.7 | | | 24.4 | | | | | | 18.6 | 36.4 | 6.1 | 7174 |

SKY COVER

STATION NAME

74-23

PERIOD

JUN
MONT

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JUL | 00-02 | 34.4 | | | 22.3 | | | | | | 13.5 | 29.8 | 4.9 | 794 |
| | 03-05 | 27.1 | | | 22.6 | | | | | | 12.2 | 38.0 | 5.6 | 826 |
| | 06-08 | 18.3 | | | 22.1 | | | | | | 20.9 | 38.6 | 6.4 | 885 |
| | 09-11 | 13.0 | | | 26.3 | | | | | | 22.4 | 38.3 | 6.6 | 887 |
| | 12-14 | 8.1 | | | 31.7 | | | | | | 24.9 | 35.3 | 6.7 | 887 |
| | 15-17 | 8.4 | | | 32.9 | | | | | | 28.2 | 30.5 | 6.6 | 879 |
| | 18-20 | 13.6 | | | 33.1 | | | | | | 22.8 | 30.5 | 6.1 | 880 |
| | 21-23 | 22.6 | | | 31.3 | | | | | | 14.7 | 31.4 | 5.4 | 828 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 18.2 | | | 27.8 | | | | | | 20.0 | 34.1 | 6.0 | 6864 |

SKY COVER

MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JUL | 00-02 | 37.3 | | | 25.2 | | | | | | 11.8 | 25.8 | 4.4 | 823 |
| | 03-05 | 29.6 | | | 26.9 | | | | | | 16.3 | 27.7 | 5.0 | 852 |
| | 06-08 | 20.4 | | | 28.2 | | | | | | 23.9 | 27.5 | 5.7 | 917 |
| | 09-11 | 14.1 | | | 33.8 | | | | | | 24.8 | 27.3 | 6.0 | 920 |
| | 12-14 | 8.3 | | | 41.5 | | | | | | 25.4 | 24.8 | 6.0 | 917 |
| | 15-17 | 10.5 | | | 41.5 | | | | | | 23.1 | 24.9 | 5.8 | 905 |
| | 18-20 | 14.8 | | | 37.5 | | | | | | 23.1 | 24.6 | 5.7 | 912 |
| | 21-23 | 24.3 | | | 33.6 | | | | | | 16.1 | 26.1 | 5.1 | 852 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 19.9 | | | 33.5 | | | | | | 20.6 | 26.1 | 5.5 | 7098 |

SKY COVER

STATION NAME

74-83

PERIOD

AUG
MONTH

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| AUG. | 30-02 | 34.7 | | | 22.2 | | | | | | 12.0 | 30.2 | 4.9 | 906 |
| | 03-05 | 33.3 | | | 19.9 | | | | | | 14.1 | 32.7 | 5.1 | 909 |
| | 06-08 | 16.7 | | | 25.7 | | | | | | 21.0 | 36.5 | 6.3 | 917 |
| | 09-11 | 8.7 | | | 30.9 | | | | | | 27.3 | 33.1 | 6.7 | 921 |
| | 12-14 | 5.8 | | | 33.8 | | | | | | 31.3 | 29.0 | 6.7 | 926 |
| | 15-17 | 7.8 | | | 35.9 | | | | | | 28.8 | 27.5 | 6.4 | 920 |
| | 18-20 | 13.3 | | | 34.8 | | | | | | 26.1 | 25.7 | 6.0 | 922 |
| | 21-23 | 25.7 | | | 28.2 | | | | | | 14.6 | 31.5 | 5.3 | 909 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 18.3 | | | 28.9 | | | | | | 22.0 | 30.8 | 5.9 | 7130 |

SKY COVER

STATION NAME

74-83

PERIOD

SEP
MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JEP | 00-02 | 34.1 | | | 16.0 | | | | | | 12.6 | 37.3 | 5.3 | 880 |
| | 03-05 | 31.3 | | | 16.7 | | | | | | 11.5 | 40.4 | 5.6 | 878 |
| | 06-08 | 11.8 | | | 24.6 | | | | | | 20.3 | 43.3 | 6.9 | 879 |
| | 09-11 | 9.9 | | | 27.7 | | | | | | 23.2 | 39.3 | 6.8 | 893 |
| | 12-14 | 8.7 | | | 28.1 | | | | | | 27.5 | 35.7 | 6.9 | 896 |
| | 15-17 | 10.2 | | | 29.5 | | | | | | 23.6 | 36.7 | 6.7 | 894 |
| | 18-20 | 17.6 | | | 26.8 | | | | | | 21.3 | 34.2 | 6.1 | 891 |
| | 21-23 | 27.2 | | | 22.8 | | | | | | 15.0 | 35.0 | 5.5 | 686 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 18.9 | | | 24.0 | | | | | | 19.4 | 37.7 | 6.2 | 7097 |

SKY COVER

STATION NAME

74-83

PERIOD

CCI
MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JUL | 00-02 | 32.4 | | | 13.6 | | | | | | 10.0 | 44.0 | 5.7 | 920 |
| | 03-05 | 32.5 | | | 15.5 | | | | | | 9.6 | 42.4 | 5.6 | 919 |
| | 06-08 | 17.1 | | | 20.3 | | | | | | 18.3 | 44.3 | 6.7 | 922 |
| | 09-11 | 12.1 | | | 22.1 | | | | | | 19.7 | 46.2 | 7.1 | 929 |
| | 12-14 | 9.5 | | | 21.5 | | | | | | 24.3 | 44.7 | 7.3 | 930 |
| | 15-17 | 12.8 | | | 20.5 | | | | | | 25.6 | 41.1 | 7.0 | 930 |
| | 18-20 | 17.4 | | | 23.3 | | | | | | 16.1 | 43.3 | 6.5 | 927 |
| | 21-23 | 24.4 | | | 17.8 | | | | | | 13.1 | 44.8 | 6.2 | 927 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 10.8 | | | 10.3 | | | | | | 17.1 | 43.9 | 6.5 | 7412 |

SKY COVER

WATERLOO NY

STATION NAME

74-83

PERIOD

NOV
MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| NOV | 00-02 | 19.3 | | | 11.0 | | | | | | 10.3 | 59.4 | 7.2 | 896 |
| | 03-05 | 19.1 | | | 10.7 | | | | | | 7.5 | 62.8 | 7.3 | 897 |
| | 06-08 | 10.9 | | | 13.7 | | | | | | 14.4 | 60.9 | 7.8 | 896 |
| | 09-11 | 4.6 | | | 13.9 | | | | | | 22.2 | 59.3 | 8.3 | 897 |
| | 12-14 | 4.6 | | | 14.9 | | | | | | 18.3 | 62.0 | 8.3 | 898 |
| | 15-17 | 5.8 | | | 16.8 | | | | | | 16.8 | 60.7 | 8.1 | 900 |
| | 18-20 | 10.3 | | | 16.1 | | | | | | 10.0 | 63.1 | 7.7 | 900 |
| | 21-23 | 15.4 | | | 13.9 | | | | | | 11.8 | 58.9 | 7.4 | 900 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 11.3 | | | 13.9 | | | | | | 13.9 | 60.9 | 7.8 | 7184 |

SKY COVER

| STATION | NAME |
|---------|------|
|---------|------|

74-83

PERIOD

~~DEC~~
MONTH

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| DCC | 00-02 | 15.4 | | | 11.0 | | | | | | 10.4 | 63.2 | 7.6 | 929 |
| | 03-05 | 15.5 | | | 11.6 | | | | | | 8.1 | 64.6 | 7.6 | 928 |
| | 06-08 | 10.0 | | | 14.2 | | | | | | 13.9 | 61.9 | 7.9 | 930 |
| | 09-11 | 6.6 | | | 12.8 | | | | | | 17.1 | 63.5 | 8.3 | 930 |
| | 12-14 | 6.6 | | | 13.9 | | | | | | 16.3 | 63.0 | 8.2 | 930 |
| | 15-17 | 6.8 | | | 14.2 | | | | | | 14.6 | 64.4 | 8.2 | 930 |
| | 18-20 | 11.3 | | | 11.7 | | | | | | 11.0 | 66.0 | 7.9 | 926 |
| | 21-23 | 13.3 | | | 12.7 | | | | | | 10.5 | 63.0 | 7.6 | 927 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 10.2 | | | 12.8 | | | | | | 12.7 | 63.7 | 7.9 | 7430 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

STATION 74-227 WATERLOO NY STATION NAME 74-83 PERIOD ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JAN | ALL | 15.0 | | | 13.2 | | | | | | 12.0 | 59.8 | 7.5 | 7437 |
| FEB | | 17.5 | | | 16.2 | | | | | | 13.7 | 52.5 | 7.0 | 6745 |
| MAR | | 17.9 | | | 17.2 | | | | | | 13.9 | 51.0 | 6.9 | 7424 |
| APR | | 21.9 | | | 19.9 | | | | | | 13.8 | 44.4 | 6.3 | 7184 |
| MAY | | 25.7 | | | 24.4 | | | | | | 18.6 | 36.4 | 6.1 | 7176 |
| JUN | | 19.2 | | | 27.8 | | | | | | 21.0 | 34.1 | 6.0 | 6866 |
| JUL | | 19.9 | | | 33.5 | | | | | | 20.6 | 26.1 | 5.5 | 7098 |
| AUG | | 18.3 | | | 28.9 | | | | | | 22.0 | 30.8 | 5.9 | 7330 |
| SEP | | 19.9 | | | 24.0 | | | | | | 19.4 | 37.7 | 6.2 | 7097 |
| OCT | | 19.8 | | | 19.3 | | | | | | 17.1 | 43.9 | 6.5 | 7412 |
| NOV | | 11.3 | | | 13.9 | | | | | | 13.9 | 60.9 | 7.8 | 7184 |
| DEC | | 10.8 | | | 12.8 | | | | | | 12.7 | 63.7 | 7.9 | 7430 |
| TOTALS | | 17.5 | | | 20.9 | | | | | | 16.5 | 45.1 | 6.6 | 8638 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

CLIMATE CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

72-227

ATERTOWN NY

STATION

STATION NAME

49-54, 62-83

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

| TEMP °F | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 50 | | | | | | .1 | .1 | .1 | .1 | | | | .0 |
| 45 | | | | | | 1.5 | 6.5 | 2.9 | 1.2 | | | | 1.0 |
| 40 | | | | .4 | 1.2 | 12.1 | 24.1 | 14.1 | 3.7 | | | | 4.6 |
| 35 | | | .1 | .9 | 6.7 | 31.8 | 56.4 | 42.5 | 14.3 | 1.6 | | | 12.8 |
| 30 | | | .5 | 4.6 | 16.8 | 54.4 | 80.4 | 71.4 | 28.5 | 6.6 | .1 | | 21.9 |
| 25 | | | 1.4 | 9.9 | 35.9 | 72.4 | 95.4 | 91.2 | 51.0 | 16.8 | 1.2 | | 31.3 |
| 20 | .1 | | 3.2 | 16.7 | 55.0 | 88.7 | 99.0 | 98.6 | 71.8 | 30.4 | 4.3 | .3 | 39.1 |
| 15 | .6 | .5 | 6.3 | 27.7 | 71.6 | 96.5 | 100.0 | 99.9 | 87.9 | 46.8 | 10.4 | 2.3 | 46.0 |
| 10 | 1.7 | 2.2 | 11.7 | 41.9 | 84.2 | 99.7 | | 100.0 | 96.8 | 63.8 | 21.0 | 5.0 | 52.6 |
| 5 | 4.3 | 5.0 | 20.2 | 60.9 | 94.8 | 100.0 | | | 99.6 | 80.8 | 33.3 | 9.1 | 59.3 |
| 0 | 8.6 | 10.5 | 30.6 | 77.3 | 98.8 | | | | 100.0 | 92.1 | 50.0 | 14.4 | 65.5 |
| -5 | 18.0 | 19.2 | 46.0 | 89.9 | 99.9 | | | | | 98.3 | 70.7 | 26.9 | 72.7 |
| -10 | 34.6 | 35.3 | 67.6 | 97.1 | 100.0 | | | | | 99.8 | 85.4 | 46.4 | 90.8 |
| -15 | 43.4 | 51.9 | 84.7 | 98.8 | | | | | | 100.0 | 96.1 | 65.7 | 87.4 |
| -20 | 61.2 | 66.3 | 93.7 | 99.6 | | | | | | | 98.6 | 77.9 | 91.6 |
| -25 | 73.8 | 79.0 | 97.8 | 100.0 | | | | | | | 100.0 | 86.4 | 94.9 |
| -30 | 83.7 | 88.1 | 99.0 | | | | | | | | | 93.3 | 97.1 |
| -35 | 90.7 | 94.8 | 99.8 | | | | | | | | | 97.0 | 98.6 |
| -40 | 95.7 | 97.8 | 100.0 | | | | | | | | | 98.4 | 99.3 |
| -45 | 98.8 | 99.5 | | | | | | | | | | 99.5 | 99.8 |
| -50 | 99.5 | 100.0 | | | | | | | | | | 99.9 | 99.9 |
| -55 | 99.9 | | | | | | | | | | | 100.0 | 100.0 |
| -60 | 100.0 | | | | | | | | | | | | 100.0 |
| MEAN | 28.0 | 29.4 | 40.0 | 53.3 | 65.1 | 74.8 | 80.0 | 78.0 | 69.7 | 58.8 | 45.5 | 33.0 | 54.6 |
| S D | 13.184 | 12.144 | 11.489 | 11.359 | 9.502 | 8.100 | 6.096 | 6.184 | 8.588 | 10.160 | 10.301 | 12.153 | 20.934 |
| TOTAL OBS | 806 | 734 | 806 | 780 | 803 | 780 | 805 | 837 | 840 | 868 | 840 | 867 | 9766 |

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
700227 WATERTOWN NY

DAILY TEMPERATURES

49-54, 62-83

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

| TEMP °F | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------|--------|--------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|
| 75 | | | | | | | .2 | .1 | | | | | .0 |
| 70 | | | | | | 1.5 | 4.6 | 3.2 | 1.9 | .1 | | | 1.0 |
| 65 | | | | | .4 | 6.5 | 22.2 | 15.7 | 4.9 | .5 | | | 4.3 |
| 60 | | | | .1 | 3.4 | 24.1 | 45.8 | 36.7 | 13.1 | 2.5 | | | 10.5 |
| 55 | | | | 1.0 | 10.8 | 44.4 | 68.9 | 59.4 | 27.9 | 6.5 | .6 | | 18.3 |
| 50 | | .1 | .5 | 2.9 | 25.4 | 65.8 | 85.2 | 79.0 | 45.5 | 17.2 | 3.0 | .1 | 27.1 |
| 45 | | .5 | 1.2 | 8.1 | 44.2 | 84.6 | 95.5 | 92.5 | 67.0 | 30.2 | 8.0 | .9 | 36.2 |
| 40 | .4 | 1.2 | 3.7 | 20.6 | 67.2 | 93.3 | 99.8 | 98.4 | 82.1 | 48.5 | 18.1 | 3.6 | 45.0 |
| 35 | 3.0 | 3.3 | 11.0 | 40.3 | 87.0 | 98.5 | 100.0 | 99.6 | 92.5 | 65.1 | 34.0 | 8.4 | 53.8 |
| 30 | 5.8 | 6.1 | 15.4 | 51.0 | 91.3 | 99.4 | | 99.9 | 95.5 | 72.4 | 42.0 | 12.2 | 57.9 |
| 25 | 10.9 | 11.0 | 25.9 | 67.4 | 95.9 | 99.9 | | 100.0 | 98.8 | 81.0 | 55.8 | 22.2 | 64.4 |
| 20 | 20.2 | 21.8 | 48.1 | 87.4 | 99.4 | 100.0 | | | 100.0 | 92.9 | 74.6 | 34.2 | 73.5 |
| 15 | 30.6 | 32.4 | 63.5 | 95.1 | 99.9 | | | | | 98.0 | 87.7 | 47.5 | 79.9 |
| 10 | 40.7 | 44.1 | 78.0 | 98.7 | 100.0 | | | | | 99.7 | 94.4 | 56.8 | 84.6 |
| 5 | 51.2 | 54.6 | 89.1 | 99.5 | | | | | | 100.0 | 98.6 | 69.5 | 88.8 |
| 0 | 61.2 | 66.1 | 94.4 | 100.0 | | | | | | | 99.5 | 78.4 | 91.8 |
| -5 | 72.0 | 75.3 | 96.4 | | | | | | | | 100.0 | 85.3 | 94.2 |
| -10 | 80.8 | 84.2 | 97.6 | | | | | | | | | 91.2 | 96.3 |
| -15 | 86.8 | 90.5 | 99.1 | | | | | | | | | 94.1 | 97.6 |
| -20 | 93.1 | 95.9 | 99.8 | | | | | | | | | 98.0 | 98.9 |
| -25 | 95.9 | 97.4 | 100.0 | | | | | | | | | 98.8 | 99.4 |
| -30 | 97.9 | 98.9 | | | | | | | | | | 99.7 | 99.7 |
| -35 | 98.9 | 99.6 | | | | | | | | | | 99.8 | 99.9 |
| -40 | 99.8 | 100.0 | | | | | | | | | | 99.9 | 100.0 |
| -45 | 100.0 | | | | | | | | | | | 100.0 | 100.0 |
| MEAN | 9.1 | 10.8 | 22.4 | 33.0 | 43.5 | 52.9 | 58.1 | 56.2 | 48.7 | 39.1 | 30.6 | 16.4 | 35.1 |
| S D | 16.303 | 15.310 | 11.066 | 8.292 | 6.348 | 6.393 | 7.358 | 7.837 | 9.408 | 10.251 | 9.696 | 14.988 | 19.959 |
| TOTAL OBS | 806 | 734 | 806 | 780 | 803 | 780 | 805 | 837 | 840 | 868 | 840 | 866 | 9765 |

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AF WEATHER SERVICE/MAC

726227 WATER TOWN NY

STATION

STATION NAME

49-54, 62-83

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

| TEMP °F | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 95 | | | | | | 1.0 | 3.0 | 1.7 | .1 | | | | .0 |
| 90 | | | | | | .1 | 7.9 | 20.4 | 12.9 | 3.7 | | | .6 |
| 85 | | | | | .5 | 2.7 | 25.9 | 48.4 | 38.6 | 10.7 | 1.5 | | 10.7 |
| 80 | | | | 1.4 | 12.0 | 47.7 | 78.9 | 67.4 | 27.1 | 5.3 | | | 20.0 |
| 75 | | | .5 | 5.0 | 26.9 | 71.3 | 94.2 | 89.4 | 48.7 | 14.5 | 1.4 | | 29.4 |
| 70 | | .1 | 1.9 | 10.3 | 49.6 | 90.1 | 99.6 | 98.2 | 71.0 | 29.7 | 5.1 | .2 | 38.1 |
| 65 | .5 | .7 | 4.8 | 21.5 | 73.1 | 98.1 | 100.0 | 99.9 | 88.5 | 46.8 | 13.1 | 2.3 | 46.0 |
| 60 | 1.9 | 1.9 | 9.9 | 42.2 | 88.8 | 99.7 | | 100.0 | 97.6 | 66.8 | 24.3 | 5.0 | 53.4 |
| 55 | 5.0 | 5.3 | 20.6 | 69.4 | 97.6 | 100.0 | | | 99.6 | 85.0 | 41.8 | 11.8 | 61.6 |
| 50 | 13.8 | 14.4 | 38.7 | 85.4 | 99.8 | | | | 100.0 | 95.5 | 65.6 | 23.0 | 70.0 |
| 45 | 25.7 | 27.0 | 58.3 | 94.4 | 100.0 | | | | | 98.5 | 84.0 | 39.6 | 77.6 |
| 40 | 37.8 | 40.5 | 74.2 | 98.6 | | | | | | 99.9 | 92.9 | 54.4 | 83.5 |
| 35 | 50.2 | 54.4 | 88.3 | 99.1 | | | | | | 100.0 | 97.5 | 68.0 | 88.4 |
| 30 | 61.8 | 66.1 | 94.9 | 100.0 | | | | | | | 99.5 | 78.9 | 92.0 |
| 25 | 73.6 | 77.5 | 97.8 | | | | | | | | 100.0 | 87.4 | 94.8 |
| 20 | 83.3 | 87.7 | 99.1 | | | | | | | | | 93.6 | 97.1 |
| 15 | 90.0 | 94.4 | 99.6 | | | | | | | | | 96.5 | 98.4 |
| 10 | 95.5 | 97.4 | 100.0 | | | | | | | | | 98.4 | 99.3 |
| 5 | 97.4 | 98.8 | | | | | | | | | | 99.5 | 99.7 |
| 0 | 99.0 | 99.6 | | | | | | | | | | 99.9 | 99.9 |
| -5 | 99.8 | 100.0 | | | | | | | | | | | 100.0 |
| -10 | 100.0 | | | | | | | | | | | 100.0 | 100.0 |
| -15 | | | | | | | | | | | | | |
| -20 | | | | | | | | | | | | | |
| -25 | | | | | | | | | | | | | |
| MEAN | 18.7 | 25.3 | 31.5 | 43.4 | 54.6 | 64.1 | 69.3 | 67.4 | 59.4 | 49.2 | 38.3 | 24.9 | 45.1 |
| S D | 14.075 | 13.141 | 10.528 | 8.895 | 7.949 | 7.425 | 5.836 | 6.179 | 8.118 | 9.328 | 9.359 | 12.957 | 20.039 |
| TOTAL OBS | 806 | 734 | 806 | 780 | 803 | 780 | 805 | 837 | 840 | 868 | 840 | 866 | 9765 |

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

725227
STATION

ATIERTOWN NY

STATION NAME

49-54, 62-83

YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--|
| 47 | | | | | * | 86 | 95 | 90 | 92 | 81 | 82 | 64 | 64 | |
| 50 | 64 | 42 | 57 | 78 | 85 | 88 | 88 | 86 | 85 | 78 | 73 | 58 | 88 | |
| 51 | 57 | 48 | 65 | 69 | 82 | 84 | 88 | 85 | 89 | 84 | 62* | 62 | 89 | |
| 52 | 54 | 52 | 63 | 75 | 81 | 89 | 91 | 91 | 90 | 78 | 67 | 57 | 91 | |
| 53 | 56 | 59 | 66 | 68 | 84 | 93 | 97 | 92 | 96 | 79 | 70 | 57 | 97 | |
| 54 | 50 | 60 | 60 | 81 | 81 | 87 | 88 | 85 | 84 | 82 | 66 | 47 | 88 | |
| 62 | | | | | | | | | 83 | 77 | 53 | 57 | | |
| 63 | 42 | 40 | 66 | 75 | 79 | 87 | 93 | 84 | 83 | 79 | 62 | 52 | 93 | |
| 64 | 51 | 40 | 61 | 78 | 86 | 91 | 94 | 90 | 88 | 73 | 70 | 60 | 94 | |
| 65 | 54 | 53 | 55 | 62 | 84 | 89 | 88 | 94 | 91 | 75 | 64 | 60 | 94 | |
| 66 | 58 | 48 | 72 | 71 | 87 | 90 | 92 | 95 | 82 | 72 | 71 | 63 | 95 | |
| 67 | 65 | 47 | 73 | 77 | 86 | 88 | 92 | 86 | 84 | 77 | 69 | 55 | 92 | |
| 68 | 42 | 49 | 77 | 87 | 74 | 84 | 90 | 88 | 86 | 81 | 58 | 47 | 90 | |
| 69 | 47 | 37 | 55 | 78 | 74 | 91 | 87 | 89 | 87 | 79 | 57 | 45 | 91 | |
| 70 | 46 | 49 | 58 | 87 | 86 | 88* | 89 | 94 | 86 | 78 | 65 | 54 | 94 | |
| 71 | 44 | 50 | 56 | 72 | 82 | 90 | 91 | 91 | 92 | 80 | 77 | 57 | 92 | |
| 72 | 58 | 46 | 54 | 73 | 83 | 87 | 88 | 84 | 87 | 74 | 58 | 55 | 88 | |
| 73 | 59 | 56 | 67 | 79 | 76 | 88 | 90 | 90 | 93 | 79 | 62 | 62 | 93 | |
| 74 | 54 | 55 | 59 | 79 | 85 | 88 | 86 | 88 | 79 | 72 | 65 | 51 | 88 | |
| 75 | 63 | 53 | 52 | 72 | 82 | 91 | 93 | 90 | 82 | 76 | 74 | 60 | 93 | |
| 76 | 52 | 62 | 75 | 85 | 78 | 88 | 86 | 86 | 82 | 76 | 59 | 44 | 88 | |
| 77 | 30 | 51 | 84 | 79 | 83 | 88 | 92 | 90 | 87 | 69 | 74 | 56 | 92 | |
| 78 | 49 | 29 | 50 | 65 | 83 | 89 | 93 | 93 | 83 | 75 | 65 | 52 | 93 | |
| 79 | 53 | 47 | 73 | 75 | 85 | 84 | 91 | 90 | 83 | 84 | 69 | 60 | 91 | |
| 80 | 53 | 51 | 60 | 72 | 85 | 86 | 90 | 89 | 82 | 78 | 59 | 58 | 90 | |
| 81 | 48 | 63 | 67 | 80 | 79 | 85 | 86 | 83 | 81 | 67 | 69 | 51 | 86 | |
| 82 | 48 | 46 | 69 | 76 | 81 | 80 | 89 | 81 | 85 | 73 | 68 | 67 | 89 | |
| 83 | 49 | 52 | 65 | 67 | | | | 88 | 88 | 84 | 65 | 45 | | |
| | | | | | | | | | | | | | | |
| MEAN | 51.8 | 49.4 | 63.8 | 75.4 | 82.0 | 88.0 | 90.1 | 88.7 | 85.8 | 77.2 | 65.5 | 55.3 | 91.1 | |
| S. D. | 7.675 | 7.767 | 8.452 | 6.293 | 3.657 | 3.098 | 2.774 | 3.627 | 4.115 | 4.330 | 5.828 | 6.108 | 2.735 | |
| TOTAL OBS | 806 | 734 | 806 | 780 | 803 | 780 | 805 | 837 | 840 | 868 | 840 | 867 | 9766 | |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

CLERICAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

726227
STATION

WATERTOWN, NY

STATION NAME

49-54, 62-83

YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| YEAR | | | | | | | | | | | | | |
| 49 | | | | * | 29 | 38 | 48 | 46 | 37 | 22 | 2 | 0 | |
| 50 | -9 | -16 | -15 | 17 | 28 | 41 | 47 | 45 | 30 | 23 | 18 | -13 | -16 |
| 51 | -12 | -14 | 12 | 30 | 35 | 40 | 52 | 44 | 32 | 27 | 9* | -13 | -14 |
| 52 | -11 | -1 | 9 | 24 | 30 | 45 | 46 | 47 | 34 | 24 | 11 | -5 | -11 |
| 53 | -2 | -2 | 2 | 24 | 35 | 38 | 44 | 43 | 36 | 24 | 13 | -5 | -5 |
| 54 | -20 | -18 | 11 | 8 | 31 | 45 | 45 | 41 | 34 | 26 | 17 | -2 | -20 |
| 62 | | | | | | | | | 27 | 20 | 13 | -15 | |
| 63 | -13 | -27 | -4 | 21 | 28 | 38 | 41 | 42 | 28 | 25 | 12 | -33 | -33 |
| 64 | -15 | -6 | 10 | 12 | 30 | 29 | 40 | 37 | 31 | 22 | 14 | -7 | -15 |
| 65 | -18 | -10 | -3 | 6 | 27 | 32 | 42 | 40 | 28 | 18 | 14 | -5 | -18 |
| 66 | -22 | -15 | 2 | 21 | 18 | 32 | 43 | 46 | 31 | 16 | 12 | -12 | -22 |
| 67 | -7 | -24 | -7 | 15 | 25 | 42 | 44 | 40 | 31 | 24 | 7 | -8 | -24 |
| 68 | -36 | -13 | -8 | 18 | 22 | 39 | 41 | 41 | 39 | 27 | 14 | -15 | -36 |
| 69 | -15 | -9 | 1 | 15 | 24 | 38 | 38 | 30 | 31 | 16 | 4 | -15 | -15 |
| 70 | -32 | -26 | 6 | 19 | 25 | 33* | 44 | 44 | 41 | 21 | 12 | -11 | -32 |
| 71 | -25 | -22 | -5 | 22 | 29 | 32 | 44 | 41 | 39 | 34 | 14 | 0 | -25 |
| 72 | -14 | -29 | -13 | 11 | 34 | 31 | 42 | 38 | 30 | 12 | 4 | -12 | -29 |
| 73 | -17 | -34 | 12 | 18 | 30 | 36 | 41 | 38 | 27 | 25 | 19 | -16 | -34 |
| 74 | -19 | -13 | 7 | 22 | 28 | 40 | 45 | 45 | 26 | 14 | 1 | -8 | -19 |
| 75 | -12 | -14 | -4 | 17 | 34 | 39 | 46 | 40 | 34 | 18 | 20 | -14 | -14 |
| 76 | -31 | -12 | -8 | 18 | 34 | 37 | 43 | 34 | 31 | 16 | 15 | -21 | -31 |
| 77 | -32 | -12 | 11 | 14 | 28 | 35 | 41 | 38 | 33 | 25 | 10 | -25 | -32 |
| 78 | -14 | -25 | -16 | 21 | 27 | 37 | 42 | 46 | 27 | 20 | 10 | -7 | -25 |
| 79 | -29 | -34 | 5 | 17 | 32 | 35 | 40 | 39 | 30 | 23 | 17 | -4 | -34 |
| 80 | -5 | -14 | -16 | 19 | 35 | 35 | 48 | 44 | 29 | 21 | 13 | -37 | -37 |
| 81 | -38 | -16 | 5 | 22 | 26 | 38 | 39 | 39 | 27 | 25 | 15 | 1 | -38 |
| 82 | -29 | -5 | -8 | 9 | 32 | 41 | 42 | 34 | 32 | 23 | 15 | -2 | -29 |
| 83 | -8 | -15 | 8 | 21 | | | | 43 | 33 | 17 | 11 | -22 | |
| MEAN | -18.7 | -16.4 | -2.2 | 17.7 | 29.1 | 37.2 | 43.4 | 40.9 | 31.7 | 21.7 | 12.0 | -11.6 | -24.4 |
| S.D. | 10.020 | 8.967 | 9.232 | 5.467 | 4.358 | 4.096 | 3.239 | 4.169 | 3.971 | 4.705 | 4.861 | 9.629 | 9.263 |
| TOTAL OBS | 806 | 734 | 806 | 780 | 803 | 780 | 805 | 837 | 840 | 868 | 840 | 866 | 9765 |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
 SAFETAC
 AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700227

WATERTOWN NY

74-83

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|------------------------------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 50 / 47 | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 1 | 1 | | | |
| 47 / 47 | .2 | .4 | | | | | | | | | | | | | | | | 8 | 8 | 4 | 4 | | | |
| 47 / 45 | | | .1 | .2 | | | | | | | | | | | | | | 3 | 3 | 4 | | | | |
| 44 / 43 | | .2 | .5 | .4 | | | | | | | | | | | | | | 11 | 11 | 2 | 3 | | | |
| 42 / 41 | .1 | .1 | .1 | .2 | | | | | | | | | | | | | | 5 | 6 | 3 | 3 | | | |
| 40 / 39 | | .9 | .3 | .1 | | | | | | | | | | | | | | 12 | 12 | 10 | 2 | | | |
| 37 / 37 | .3 | 3.5 | .3 | | | | | | | | | | | | | | | 38 | 38 | 21 | 2 | | | |
| 35 / 35 | .5 | 2.7 | 1.2 | .1 | | | | | | | | | | | | | | 42 | 42 | 40 | 22 | | | |
| 33 / 33 | 1.1 | 2.4 | .5 | .3 | | | | | | | | | | | | | | 41 | 43 | 45 | 37 | | | |
| 31 / 31 | .3 | 3.6 | 1.3 | .4 | | | | | | | | | | | | | | 56 | 56 | 42 | 54 | | | |
| 29 / 29 | .3 | 1.3 | .7 | .1 | | | | | | | | | | | | | | 29 | 29 | 41 | 25 | | | |
| 27 / 27 | .5 | 1.6 | 1.7 | | | | | | | | | | | | | | | 29 | 29 | 33 | 29 | | | |
| 25 / 25 | .5 | 3.1 | .4 | .3 | | | | | | | | | | | | | | 45 | 45 | 34 | 35 | | | |
| 23 / 23 | 1.1 | 3.7 | .3 | | | | | | | | | | | | | | | 40 | 40 | 57 | 23 | | | |
| 21 / 21 | 2.3 | 1.7 | .1 | | | | | | | | | | | | | | | 38 | 38 | 51 | 29 | | | |
| 19 / 19 | 2.0 | 2.6 | .3 | | | | | | | | | | | | | | | 45 | 45 | 37 | 54 | | | |
| 17 / 17 | 1.1 | 3.8 | .1 | | | | | | | | | | | | | | | 45 | 45 | 39 | 38 | | | |
| 15 / 15 | .9 | 3.6 | .3 | | | | | | | | | | | | | | | 44 | 44 | 40 | 52 | | | |
| 13 / 13 | 1.6 | 1.8 | .2 | | | | | | | | | | | | | | | 34 | 34 | 47 | 31 | | | |
| 11 / 11 | 1.6 | 2.3 | | | | | | | | | | | | | | | | 36 | 36 | 37 | 47 | | | |
| 9 / 9 | 2.4 | 3.4 | .2 | | | | | | | | | | | | | | | 55 | 55 | 50 | 39 | | | |
| 7 / 7 | 1.9 | 2.9 | .1 | | | | | | | | | | | | | | | 39 | 39 | 38 | 37 | | | |
| 5 / 5 | 1.4 | 1.9 | | | | | | | | | | | | | | | | 27 | 27 | 38 | 37 | | | |
| 3 / 3 | 1.1 | 1.4 | | | | | | | | | | | | | | | | 22 | 23 | 26 | 35 | | | |
| 1 / 1 | 1.6 | 2.0 | | | | | | | | | | | | | | | | 33 | 35 | 29 | 40 | | | |
| -1 / -1 | 2.4 | .4 | | | | | | | | | | | | | | | | 28 | 28 | 35 | 14 | | | |
| -3 / -3 | 1.4 | .4 | | | | | | | | | | | | | | | | 20 | 20 | 20 | 25 | | | |
| -5 / -5 | 2.4 | .2 | | | | | | | | | | | | | | | | 24 | 24 | 25 | 30 | | | |
| -7 / -7 | 1.2 | | | | | | | | | | | | | | | | | 11 | 11 | 13 | 22 | | | |
| -9 / -9 | 1.1 | | | | | | | | | | | | | | | | | 9 | 11 | 9 | 31 | | | |
| -11 / -11 | .4 | | | | | | | | | | | | | | | | | 8 | 8 | 8 | 27 | | | |
| -13 / -13 | .5 | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 10 | | | |
| -15 / -15 | .4 | | | | | | | | | | | | | | | | | 8 | 9 | 8 | 16 | | | |
| -17 / -17 | .4 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 3 | | | |
| Element (X) | Σ x ² | | Σ x | | Σ | Σ x | | Σ | | Σ x | | Σ | | Σ x | | Σ | | Σ x | | Σ | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

JAN
MONTH

0000-0200
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

746227 WATER TOWN NY

74-83

JAN

STATION

STATION NAME

YEARS

PAGE 1

0300-0500

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|------|-----------|----------|----------|-----------|----|--|--|--|------------------------------------|--|--|--|--|--------|-------|-------|--|--|--------|--|--|--|--|--------|--|--|--|--|--------|--|--|--|--|--------|--|--|--|--|-------|--|--|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 / 41 | | | .1 | | | | | | | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 / 40 | | | .3 | | | | | | | | | | | | | | | | 5 | 5 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 / 39 | | | .5 | | | | | | | | | | | | | | | | 1 | 1 | 6 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 / 38 | | | .7 | | .4 | | | | | | | | | | | | | | 4 | 4 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 / 37 | | | .9 | | .2 | | | | | | | | | | | | | | 6 | 6 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 / 36 | | | 1.1 | | .1 | | | | | | | | | | | | | | 3 | 3 | 3 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 / 35 | .1 | .7 | | | | | | | | | | | | | | | | | 7 | 7 | 13 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 / 34 | .4 | 2.6 | 1.1 | | | | | | | | | | | | | | | | 17 | 37 | 10 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 / 33 | .8 | 4.2 | 1.0 | .3 | .1 | | | | | | | | | | | | | | 59 | 59 | 48 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 / 32 | 1.2 | 5.8 | 2.3 | | | | | | | | | | | | | | | | 21 | 22 | 41 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 / 31 | 1.6 | 7.4 | 3.8 | .2 | | | | | | | | | | | | | | | 47 | 47 | 30 | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 / 30 | 2.0 | 9.0 | 5.4 | .2 | | | | | | | | | | | | | | | 42 | 42 | 39 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 / 29 | 2.4 | 10.6 | 7.0 | .2 | | | | | | | | | | | | | | | 78 | 36 | 46 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 / 28 | 2.8 | 12.2 | 8.6 | | | | | | | | | | | | | | | | 43 | 43 | 43 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 / 27 | 3.2 | 13.8 | 10.2 | | | | | | | | | | | | | | | | 29 | 29 | 45 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 / 26 | 3.6 | 15.4 | 11.8 | | | | | | | | | | | | | | | | 34 | 34 | 44 | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 / 25 | 4.0 | 17.0 | 13.4 | | | | | | | | | | | | | | | | 33 | 33 | 53 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 / 24 | 4.4 | 18.6 | 15.0 | | | | | | | | | | | | | | | | 39 | 39 | 56 | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 / 23 | 4.8 | 20.2 | 16.6 | | | | | | | | | | | | | | | | 30 | 30 | 31 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 / 22 | 5.2 | 21.8 | 18.2 | .1 | | | | | | | | | | | | | | | 33 | 33 | 33 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 / 21 | 5.6 | 23.4 | 19.8 | .2 | | | | | | | | | | | | | | | 27 | 37 | 36 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 / 20 | 6.0 | 25.0 | 21.4 | .1 | | | | | | | | | | | | | | | 52 | 52 | 57 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 / 19 | 6.4 | 26.6 | 23.0 | | | | | | | | | | | | | | | | 41 | 41 | 44 | 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 / 18 | 6.8 | 28.2 | 24.6 | | | | | | | | | | | | | | | | 25 | 25 | 27 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 / 17 | 7.2 | 29.8 | 26.2 | | | | | | | | | | | | | | | | 18 | 18 | 24 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 / 16 | 7.6 | 31.4 | 27.8 | | | | | | | | | | | | | | | | 43 | 44 | 37 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 / 15 | 8.0 | 33.0 | 29.4 | | | | | | | | | | | | | | | | 25 | 27 | 32 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 / 14 | 8.4 | 34.6 | 31.0 | | | | | | | | | | | | | | | | 33 | 35 | 34 | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 / 13 | 8.8 | 36.2 | 32.6 | | | | | | | | | | | | | | | | 18 | 18 | 20 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 / 12 | 9.2 | 37.8 | 34.2 | | | | | | | | | | | | | | | | 12 | 13 | 12 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 / 11 | 9.6 | 39.4 | 35.8 | | | | | | | | | | | | | | | | 20 | 20 | 20 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 / 10 | 10.0 | 41.0 | 37.4 | | | | | | | | | | | | | | | | 10 | 11 | 10 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 / 9 | 10.4 | 42.6 | 39.0 | | | | | | | | | | | | | | | | 7 | 7 | 7 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 / 8 | 10.8 | 44.2 | 40.6 | | | | | | | | | | | | | | | | 6 | 6 | 6 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ X ² | | | | | Σ X | | | | | Σ | | | | | Σ _A | | | | | No. Obs. | | | | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | ≤ 0 F | | | | | ≤ 32 F | | | | | ≥ 67 F | | | | | ≥ 73 F | | | | | ≥ 80 F | | | | | ≥ 93 F | | | | | Total | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

77. 227

WATER TOWN NY

74-83

JEN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

0300-0500

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-83

JAN

STATION NAME

YEARS

MONTH

PAGE 1

0600-2800

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 47 / 57 | | .1 | .4 | | | | | | | | | | | | | | | 5 | 5 | | | | | | |
| 47 / 51 | | .3 | .1 | | | | | | | | | | | | | | | 3 | 3 | 2 | | | | | |
| 47 / 47 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 6 | 2 | | | | |
| 47 / 43 | | | | | | | | | | | | | | | | | | | | 1 | 3 | | | | |
| 47 / 45 | | .2 | | .2 | .2 | | | | | | | | | | | | | 6 | 6 | | 4 | | | | |
| 47 / 43 | | .1 | .1 | .2 | | | | | | | | | | | | | | 4 | 4 | 2 | | | | | |
| 47 / 41 | .2 | .9 | .2 | | | | | | | | | | | | | | | 12 | 12 | 7 | 2 | | | | |
| 47 / 37 | .4 | .4 | .4 | | | | | | | | | | | | | | | 10 | 10 | 12 | 9 | | | | |
| 47 / 37 | .2 | 2.1 | .4 | | | | | | | | | | | | | | | 25 | 25 | 14 | 5 | | | | |
| 47 / 35 | .1 | 4.0 | 1.3 | .4 | | | | | | | | | | | | | | 56 | 56 | 27 | 12 | | | | |
| 47 / 33 | .3 | 1.5 | .8 | .1 | .1 | | | | | | | | | | | | | 28 | 28 | 46 | 22 | | | | |
| 47 / 31 | .4 | 3.4 | .8 | .7 | .1 | | | | | | | | | | | | | 56 | 56 | 35 | 49 | | | | |
| 47 / 27 | .7 | 2.8 | 1.1 | .2 | | | | | | | | | | | | | | 41 | 41 | 49 | 35 | | | | |
| 47 / 27 | 1.2 | 2.7 | .3 | | | | | | | | | | | | | | | 32 | 32 | 48 | 22 | | | | |
| 47 / 25 | .2 | 2.4 | .7 | | | | | | | | | | | | | | | 30 | 30 | 36 | 44 | | | | |
| 47 / 23 | .7 | 1.2 | .7 | | | | | | | | | | | | | | | 23 | 23 | 29 | 22 | | | | |
| 47 / 21 | 1.1 | 2.1 | .7 | | | | | | | | | | | | | | | 35 | 35 | 37 | 41 | | | | |
| 47 / 17 | 1.5 | 4.1 | .3 | | | | | | | | | | | | | | | 55 | 55 | 50 | 35 | | | | |
| 47 / 17 | 1.5 | 2.4 | | | | | | | | | | | | | | | | 40 | 40 | 42 | 26 | | | | |
| 47 / 15 | 1.1 | 2.3 | .1 | | | | | | | | | | | | | | | 31 | 31 | 33 | 51 | | | | |
| 47 / 13 | 1.3 | 1.8 | .1 | | | | | | | | | | | | | | | 30 | 31 | 32 | 41 | | | | |
| 47 / 11 | 1.5 | 2.0 | | | | | | | | | | | | | | | | 32 | 32 | 29 | 39 | | | | |
| 47 / 7 | 2.6 | 2.4 | | | | | | | | | | | | | | | | 46 | 47 | 52 | 33 | | | | |
| 47 / 7 | 1.8 | 1.5 | | | | | | | | | | | | | | | | 31 | 31 | 32 | 46 | | | | |
| 47 / 5 | 2.0 | 2.2 | | | | | | | | | | | | | | | | 38 | 33 | 40 | 25 | | | | |
| 47 / 3 | 2.3 | 2.2 | | | | | | | | | | | | | | | | 41 | 41 | 43 | 38 | | | | |
| 47 / 1 | 1.1 | 2.2 | | | | | | | | | | | | | | | | 30 | 31 | 20 | 34 | | | | |
| 47 / -1 | 2.3 | .7 | | | | | | | | | | | | | | | | 27 | 29 | 39 | 31 | | | | |
| 47 / -3 | 1.7 | .4 | | | | | | | | | | | | | | | | 20 | 23 | 23 | 21 | | | | |
| 47 / -5 | 1.8 | .2 | | | | | | | | | | | | | | | | 19 | 19 | 19 | 17 | | | | |
| 47 / -7 | 1.4 | | | | | | | | | | | | | | | | | 13 | 13 | 15 | 24 | | | | |
| 47 / -9 | 2.5 | | | | | | | | | | | | | | | | | 24 | 24 | 24 | 21 | | | | |
| 47 / -11 | 2.3 | | | | | | | | | | | | | | | | | 21 | 21 | 21 | 20 | | | | |
| 47 / -13 | .9 | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 9 | | | | |
| Element (X) | Σ X ² | | Σ X | | Σ | | σ _n | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

74-83

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

5672-0863

HOURS (L. S. T.)

[illegible]

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

74-23

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0930-1100

HOURS (L. S. T.)

[illegible]

USAFETAC
FORM 0-26-5 (OLA)
REV. 44
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JAN
MONTH

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

227 ATTACHED. 44

74-83

44

STATION

STATION NAME

YEARS

MONTH

FILE # 1200-1407
HOJAS (U. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 57 / 57 | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 56 | | | | | .1 | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | |
| 57 / 55 | | | | | .1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 57 / 54 | | | | | .1 | | | | | | | | | | | | | 2 | | 1 | | | | | | | | | | | | | | |
| 57 / 53 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 52 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 51 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 50 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 49 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 48 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 47 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 46 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 45 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 44 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 43 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 42 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 41 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 40 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 39 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 38 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 37 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 36 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 35 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 34 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 33 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 32 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 31 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 30 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 29 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 28 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 27 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 26 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 25 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 24 | | | | | .1 | | | .1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 57 / 23 | | | | | .1 | | | .1 | | | | | | | | | | 2 | </ | | | | | | | | | | | | | | | |

0-26-5 (OLA)

USAFETAC FORM 102-100

AD-A159 640 WATERTOWN NEW YORK REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATION (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. OCT 84
UNCLASSIFIED USAFETAC/DS-84/035 F/G 4/2

WATERTOWN NEW YORK REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATION. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. OCT 84
USAFETAC/DS-84/035 F/G 4/2

4/5

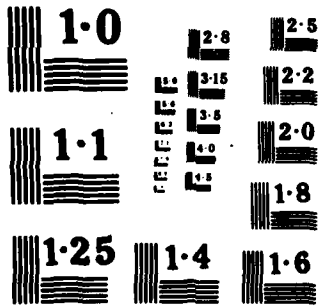
UNCLASSIFIED

USAFETAC/DS-84/035

F/G 4/2

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PSYCHROMETRIC SUMMARY

71,227

ALERTON, NY

74-83

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1200-1400

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
FAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

770227
STATION

AIRTOWN NY
STATION NAME

74-83
YEARS

JAN
MONTH

PAGE 1

1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|-----|-----|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 47/53 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | |
| 47/51 | | .1 | | | | | .2 | | | | | | | | | | | 3 | 3 | 1 | |
| 57/47 | .1 | .3 | | | .1 | | | | | | | | | | | | | 6 | 5 | 2 | 1 |
| 47/45 | | .3 | .4 | .1 | | | | | | | | | | | | | | 5 | 5 | 4 | 5 |
| 47/43 | | .3 | .6 | .8 | | | | | | | | | | | | | | 6 | 8 | 3 | 2 |
| 47/41 | | .5 | .4 | .8 | | | | | | | | | | | | | | 16 | 15 | 4 | 3 |
| 45/37 | .4 | 1.7 | 1.1 | .1 | .2 | | | | | | | | | | | | | 15 | 15 | 10 | 5 |
| 47/35 | .6 | 2.9 | 1.8 | .8 | | | | | | | | | | | | | | 29 | 29 | 19 | 9 |
| 37/33 | .1 | 2.8 | 1.4 | .8 | | | | | | | | | | | | | | 25 | 25 | 28 | 4 |
| 37/31 | .4 | 2.1 | 2.3 | 1.1 | .2 | | | | | | | | | | | | | 57 | 57 | 39 | 18 |
| 27/27 | .1 | 1.1 | .9 | .8 | | | | | | | | | | | | | | 46 | 46 | 43 | 29 |
| 27/25 | .3 | 2.1 | 1.3 | .1 | | | | | | | | | | | | | | 55 | 55 | 46 | 50 |
| 27/23 | .4 | 4.1 | 1.3 | .3 | | | | | | | | | | | | | | 26 | 26 | 38 | 29 |
| 27/21 | 1.7 | 1.8 | 1.6 | | | | | | | | | | | | | | | 43 | 43 | 39 | 37 |
| 27/19 | 1.4 | 2.8 | 1.8 | .1 | | | | | | | | | | | | | | 56 | 56 | 58 | 33 |
| 17/17 | 1.2 | 3.1 | 1.1 | | | | | | | | | | | | | | | 46 | 46 | 69 | 14 |
| 17/15 | 1.0 | 3.5 | .8 | .1 | | | | | | | | | | | | | | 57 | 57 | 49 | 49 |
| 17/13 | 1.1 | 2.8 | .8 | | | | | | | | | | | | | | | 71 | 71 | 66 | 54 |
| 17/11 | 1.4 | 1.7 | .3 | | | | | | | | | | | | | | | 49 | 49 | 57 | 73 |
| 7/7 | 1.0 | 2.8 | .1 | | | | | | | | | | | | | | | 48 | 49 | 46 | 53 |
| 7/5 | .9 | 2.9 | | | | | | | | | | | | | | | | 42 | 42 | 48 | 62 |
| 7/3 | .4 | 3.9 | | | | | | | | | | | | | | | | 32 | 32 | 44 | 53 |
| 7/1 | .2 | 2.8 | | | | | | | | | | | | | | | | 34 | 34 | 35 | 51 |
| 7/-1 | .4 | .3 | | | | | | | | | | | | | | | | 34 | 34 | 37 | 40 |
| 7/-3 | .3 | .4 | | | | | | | | | | | | | | | | 36 | 36 | 32 | 25 |
| 7/-5 | .2 | .8 | | | | | | | | | | | | | | | | 24 | 24 | 34 | 35 |
| 7/-7 | .2 | .1 | | | | | | | | | | | | | | | | 26 | 26 | 28 | 31 |
| 7/-9 | .1 | | | | | | | | | | | | | | | | | 7 | 7 | 15 | 23 |
| 7/-11 | .1 | | | | | | | | | | | | | | | | | 7 | 13 | 8 | 16 |
| 7/-13 | .3 | | | | | | | | | | | | | | | | | 9 | 9 | 7 | 26 |
| -13/-11 | .3 | | | | | | | | | | | | | | | | | 3 | 3 | 7 | 22 |
| -13/-13 | .3 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 19 |
| | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 19 |
| | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 10 |
| Element (X) | Σx ¹ | Σx | X | σ _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | |
| Ref. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OLA) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

74-83 STATION 74-83 STATION NAME WATER TOWN NY YEARS JAN MONTH

PAGE 1 1500-1700 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|-----|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| -1/-15 | | | | | | | | | | | | | | | | | | | | | | 7 | | | |
| -1/-17 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | 9 | | | |
| -1/-19 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | | 7 | | | |
| -1/-21 | | | | | | | | | | | | | | | | | | | | | | 18 | | | |
| -2/-23 | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| -2/-25 | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| -2/-27 | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| -2/-29 | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| TOTAL | 16.0 | 56.4 | 25.2 | 5.6 | .4 | | .2 | | | | | | | | | | | 926 | 930 | 926 | | 926 | | | |
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GLOBAL CLIMATOLOGY BRANCH
 AFACETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10227 WATER TOWN NY 74-83 JAN
 STATION STATION NAME YEARS MONTH
 PAGE 1 1800-2000
 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | | | | | | | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|----|--------------------|-------|--|---|--|---|--|---|--|---|--|---|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 47 / 53 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | |
| 42 / 51 | | .3 | | | | | | | | | | | | | | | | 3 | 3 | 3 | 1 | | | | | | | | | | | | | |
| 57 / 47 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 3 | 5 | | | | | | | | | | | | | |
| 47 / 45 | | .3 | .2 | .3 | .2 | | | | | | | | | | | | | 10 | 10 | | | | | | | | | | | | | | | |
| 47 / 43 | | .3 | .1 | .2 | | | | | | | | | | | | | | 5 | 5 | 3 | | | | | | | | | | | | | | |
| 42 / 41 | | .9 | .6 | .3 | | | | | | | | | | | | | | 17 | 17 | 7 | 3 | | | | | | | | | | | | | |
| 47 / 37 | .1 | 1.2 | .4 | | | | | | | | | | | | | | | 18 | 18 | 14 | 4 | | | | | | | | | | | | | |
| 37 / 37 | .3 | 2.4 | 1.1 | .5 | | | | | | | | | | | | | | 39 | 39 | 32 | 8 | | | | | | | | | | | | | |
| 17 / 35 | .9 | 2.6 | .5 | .1 | | | | | | | | | | | | | | 38 | 38 | 33 | 30 | | | | | | | | | | | | | |
| 37 / 33 | .2 | 2.9 | 1.3 | .3 | .1 | | | | | | | | | | | | | 45 | 45 | 42 | 22 | | | | | | | | | | | | | |
| 42 / 31 | .2 | 3.3 | 1.3 | .1 | | | | | | | | | | | | | | 46 | 46 | 40 | 49 | | | | | | | | | | | | | |
| 27 / 29 | | 1.3 | 1.3 | .5 | .1 | | | | | | | | | | | | | 33 | 33 | 36 | 33 | | | | | | | | | | | | | |
| 17 / 27 | .5 | 2.3 | .4 | | | | | | | | | | | | | | | 20 | 20 | 28 | 26 | | | | | | | | | | | | | |
| 17 / 25 | .6 | 3.9 | 1.3 | .2 | | | | | | | | | | | | | | 56 | 56 | 62 | 28 | | | | | | | | | | | | | |
| 24 / 23 | 1.2 | 1.8 | .9 | | | | | | | | | | | | | | | 36 | 36 | 42 | 18 | | | | | | | | | | | | | |
| 27 / 21 | 1.1 | 1.7 | .9 | | | | | | | | | | | | | | | 34 | 34 | 45 | 51 | | | | | | | | | | | | | |
| 17 / 19 | 2.6 | 5.8 | 1.1 | | | | | | | | | | | | | | | 87 | 87 | 67 | 41 | | | | | | | | | | | | | |
| 17 / 17 | 1.4 | 2.2 | .2 | | | | | | | | | | | | | | | 35 | 35 | 59 | 48 | | | | | | | | | | | | | |
| 17 / 15 | 1.4 | 2.8 | | | | | | | | | | | | | | | | 39 | 39 | 39 | 60 | | | | | | | | | | | | | |
| 17 / 13 | 1.5 | 3.7 | .1 | | | | | | | | | | | | | | | 49 | 49 | 36 | 46 | | | | | | | | | | | | | |
| 17 / 11 | 2.9 | 2.6 | | | | | | | | | | | | | | | | 51 | 51 | 60 | 55 | | | | | | | | | | | | | |
| 17 / 9 | 1.8 | 2.2 | .1 | | | | | | | | | | | | | | | 36 | 38 | 43 | 46 | | | | | | | | | | | | | |
| 17 / 7 | 1.1 | 2.6 | | | | | | | | | | | | | | | | 34 | 34 | 32 | 51 | | | | | | | | | | | | | |
| 17 / 5 | .3 | 2.4 | | | | | | | | | | | | | | | | 25 | 25 | 38 | 25 | | | | | | | | | | | | | |
| 17 / 3 | .7 | 1.9 | | | | | | | | | | | | | | | | 26 | 26 | 25 | 29 | | | | | | | | | | | | | |
| 17 / 1 | 1.1 | 1.9 | | | | | | | | | | | | | | | | 27 | 27 | 28 | 36 | | | | | | | | | | | | | |
| 17 / -1 | 1.3 | .2 | | | | | | | | | | | | | | | | 19 | 19 | 25 | 26 | | | | | | | | | | | | | |
| -1 / -3 | 1.2 | .5 | | | | | | | | | | | | | | | | 16 | 18 | 14 | 24 | | | | | | | | | | | | | |
| -1 / -5 | 1.6 | .6 | | | | | | | | | | | | | | | | 21 | 22 | 19 | 28 | | | | | | | | | | | | | |
| -1 / -7 | 1.2 | .1 | | | | | | | | | | | | | | | | 12 | 12 | 17 | 19 | | | | | | | | | | | | | |
| -1 / -9 | .9 | | | | | | | | | | | | | | | | | 8 | 8 | 8 | 17 | | | | | | | | | | | | | |
| -1 / -11 | 1.1 | | | | | | | | | | | | | | | | | 10 | 10 | 10 | 16 | | | | | | | | | | | | | |
| -1 / -13 | .3 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 13 | | | | | | | | | | | | | |
| -1 / -15 | .6 | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 13 | | | | | | | | | | | | | |
| Element (X) | Σ x' | | Σ x | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

WATERTOWN NY

74-83

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1800-2000

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

74-227

WATERTOWN NY

74-83

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. Y.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------------|----------|-------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|-------|--------------------|-------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | | n 31 | Dry Bulb | Wet Bulb | Dew Point |
| 27 / 51 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 1 | |
| 30 / 47 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | | 1 |
| 4 / 47 | | .1 | .1 | | | | | | | | | | | | | | | 2 | 2 | | |
| 4 / 45 | .1 | .2 | .4 | .2 | | | | | | | | | | | | | | 9 | 9 | 4 | 2 |
| 4 / 43 | | | .1 | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 |
| 12 / 41 | | .3 | .5 | .3 | | | | | | | | | | | | | | 11 | 11 | 6 | |
| 4 / 37 | | .8 | .5 | .2 | | | | | | | | | | | | | | 15 | 15 | 8 | 2 |
| 3 / 37 | .4 | 2.4 | 1.3 | .1 | | | | | | | | | | | | | | 39 | 39 | 20 | 10 |
| 3 / 35 | .8 | 2.8 | .8 | | | | | | | | | | | | | | | 40 | 43 | 42 | 21 |
| 3 / 33 | .3 | 2.5 | 1.3 | .4 | .2 | | | | | | | | | | | | | 44 | 44 | 46 | 22 |
| 27 / 31 | 1.2 | 2.3 | .4 | .8 | .1 | | | | | | | | | | | | | 44 | 44 | 39 | 61 |
| 27 / 27 | .4 | .5 | 1.2 | | .1 | | | | | | | | | | | | | 21 | 21 | 32 | 30 |
| 27 / 27 | .8 | 2.5 | 1.1 | .2 | | | | | | | | | | | | | | 41 | 41 | 20 | 25 |
| 27 / 25 | 1.1 | 4.8 | .6 | .1 | | | | | | | | | | | | | | 60 | 60 | 60 | 30 |
| 27 / 23 | 1.0 | 2.4 | .2 | | | | | | | | | | | | | | | 33 | 33 | 61 | 13 |
| 27 / 21 | 1.6 | 1.9 | .8 | | | | | | | | | | | | | | | 40 | 40 | 46 | 31 |
| 27 / 19 | 1.7 | 4.0 | .3 | | | | | | | | | | | | | | | 56 | 56 | 42 | 64 |
| 17 / 17 | .9 | 3.1 | | | | | | | | | | | | | | | | 37 | 37 | 44 | 54 |
| 17 / 15 | 1.3 | 3.9 | .1 | | | | | | | | | | | | | | | 49 | 50 | 43 | 37 |
| 17 / 13 | 2.9 | 2.3 | .1 | | | | | | | | | | | | | | | 49 | 49 | 60 | 44 |
| 17 / 11 | 3.0 | 2.2 | .1 | | | | | | | | | | | | | | | 49 | 49 | 47 | 53 |
| 17 / 9 | 1.9 | 3.4 | .2 | | | | | | | | | | | | | | | 51 | 51 | 51 | 62 |
| 27 / 7 | 1.3 | 1.3 | | | | | | | | | | | | | | | | 24 | 25 | 36 | 35 |
| 27 / 5 | 1.2 | 2.1 | | | | | | | | | | | | | | | | 30 | 30 | 27 | 39 |
| 27 / 3 | .8 | 1.8 | | | | | | | | | | | | | | | | 24 | 25 | 30 | 40 |
| 27 / 1 | 1.1 | 2.2 | | | | | | | | | | | | | | | | 30 | 30 | 29 | 20 |
| 27 / -1 | 1.1 | .4 | | | | | | | | | | | | | | | | 21 | 21 | 23 | 25 |
| -27 / -3 | 1.5 | .2 | | | | | | | | | | | | | | | | 16 | 16 | 19 | 32 |
| -27 / -5 | 1.1 | .6 | | | | | | | | | | | | | | | | 16 | 17 | 11 | 9 |
| -27 / -7 | 1.9 | | | | | | | | | | | | | | | | | 18 | 19 | 24 | 29 |
| -27 / -9 | 1.2 | | | | | | | | | | | | | | | | | 11 | 11 | 11 | 27 |
| -17 / -11 | 1.2 | | | | | | | | | | | | | | | | | 11 | 11 | 11 | 15 |
| -17 / -13 | .5 | | | | | | | | | | | | | | | | | 5 | 6 | 5 | 7 |
| -17 / -15 | .3 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 17 |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | σ_x | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | |
| Rel. Hum. | | | | | | | | | $\leq 0 F$ | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

170227

LATERTOWN NY

74-83

JAY

STATION

STATION NAME

YEARS

MONTH

PAGE 2

2100-2300

HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| -1 / -17 | .4 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 8 | | | | |
| -1 / -19 | .4 | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 18 | | | | |
| -1 / -21 | .4 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 7 | | | | |
| -2 / -23 | .5 | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 6 | | | | |
| -2 / -25 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 9 | | | | |
| -2 / -27 | | | | | | | | | | | | | | | | | | | | | 9 | | | | |
| -2 / -29 | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| -2 / -31 | | | | | | | | | | | | | | | | | | | | | 4 | | | | |
| -2 / -33 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| -3 / -35 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| TOTAL | 35.5 | 51.1 | 10.3 | 2.5 | .4 | | | | | | | | | | | | | 924 | 930 | 924 | 924 | | | | |
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PSYCHROMETRIC SUMMARY

MONTH

ALL

HOURS (L, S, T,)

[illegible]

PSYCHROMETRIC SUMMARY

74-83

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STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 74-83 ATERTOWN NY YEARS MONTH PAGE 1 0000-0200
STATION NAME HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | TOTAL | TOTAL | | | | |
|--------------|-------------------------------------|-----|-----|-----|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 5 / 55 | | | .5 | | | | | | | | | | | | | | | 4 | 4 | | |
| 4 / 53 | | .1 | .2 | | | | | | | | | | | | | | | 3 | 3 | | |
| 2 / 51 | | | .4 | | | | | | | | | | | | | | | 7 | 7 | 5 | |
| 5 / 4 | | .3 | | .1 | .1 | | | | | | | | | | | | | 4 | 4 | 7 | 5 |
| 4 / 47 | | .6 | .1 | .1 | .1 | | | | | | | | | | | | | 3 | 3 | 4 | 5 |
| 4 / 45 | | .7 | .2 | .1 | .6 | | | | | | | | | | | | | 14 | 14 | 7 | 5 |
| 4 / 43 | | .2 | .4 | .2 | | | | | | | | | | | | | | 8 | 8 | 7 | 10 |
| 2 / 41 | .1 | .2 | .2 | .2 | | | | | | | | | | | | | | 7 | 7 | 10 | 3 |
| 40 / 3 | .2 | 1.7 | .4 | .1 | .5 | | | | | | | | | | | | | 29 | 29 | 5 | 5 |
| 3 / 37 | | 1.1 | .5 | .4 | .1 | | | | | | | | | | | | | 17 | 17 | 22 | 7 |
| 7 / 35 | .3 | 2.0 | .5 | .1 | .1 | | | | | | | | | | | | | 27 | 27 | 25 | 15 |
| 3 / 33 | .8 | 2.5 | .9 | .1 | | | | | | | | | | | | | | 37 | 37 | 34 | 28 |
| 2 / 31 | .6 | 5.1 | .4 | | | | | | | | | | | | | | | 51 | 51 | 44 | 34 |
| 7 / 29 | .1 | 1.9 | .9 | .1 | | | | | | | | | | | | | | 26 | 26 | 43 | 19 |
| 7 / 27 | .6 | 2.3 | .3 | .7 | | | | | | | | | | | | | | 37 | 37 | 25 | 42 |
| 7 / 25 | .7 | 2.6 | .7 | .1 | | | | | | | | | | | | | | 75 | 35 | 33 | 34 |
| 2 / 23 | .1 | 2.4 | .6 | | | | | | | | | | | | | | | 27 | 27 | 44 | 23 |
| 2 / 21 | 2.6 | 3.2 | .4 | | | | | | | | | | | | | | | 52 | 52 | 55 | 32 |
| 3 / 17 | 1.7 | 3.1 | 1.2 | | | | | | | | | | | | | | | 50 | 50 | 42 | 39 |
| 1 / 17 | 1.4 | 3.0 | .3 | | | | | | | | | | | | | | | 41 | 41 | 47 | 41 |
| 1 / 15 | 2.3 | 3.4 | .1 | | | | | | | | | | | | | | | 51 | 51 | 45 | 61 |
| 1 / 13 | 2.0 | 2.5 | | | | | | | | | | | | | | | | 38 | 38 | 47 | 45 |
| 1 / 11 | 1.4 | 2.0 | .1 | | | | | | | | | | | | | | | 30 | 30 | 31 | 42 |
| 1 / 9 | 1.9 | 1.9 | .1 | | | | | | | | | | | | | | | 33 | 33 | 35 | 28 |
| 7 / 7 | .9 | 2.5 | | | | | | | | | | | | | | | | 29 | 29 | 28 | 36 |
| 7 / 5 | .9 | 1.3 | | | | | | | | | | | | | | | | 19 | 19 | 30 | 34 |
| 7 / 3 | .9 | 1.9 | | | | | | | | | | | | | | | | 24 | 25 | 23 | 29 |
| 7 / 1 | 1.3 | 3.3 | | | | | | | | | | | | | | | | 39 | 39 | 26 | 23 |
| 7 / -1 | 1.5 | .1 | | | | | | | | | | | | | | | | 14 | 14 | 32 | 26 |
| - / -3 | 1.4 | .2 | | | | | | | | | | | | | | | | 14 | 14 | 14 | 15 |
| - / -5 | 2.8 | .1 | | | | | | | | | | | | | | | | 25 | 25 | 25 | 22 |
| - / -7 | 1.1 | | | | | | | | | | | | | | | | | 9 | 9 | 10 | 19 |
| - / -9 | 1.3 | | | | | | | | | | | | | | | | | 11 | 11 | 11 | 31 |
| -1 / -11 | .5 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 22 |
| Element (X) | Σ X ² | Σ X | X | ° | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

74-83

YEARS

MONTH

0030-0200

HOURS (L. S. T.)

[illegible]

ARMED CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 1027 WARTOWN NY STATION NAME 74-83 YEARS FEB MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 57-55 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | | |
| 47-50 | | | .1 | | | | | | | | | | | | | | | 4 | 4 | | |
| 27-51 | | .1 | .1 | | | | | | | | | | | | | | | 5 | 5 | 3 | |
| 57-47 | .1 | | .1 | | .4 | | | | | | | | | | | | | 5 | 5 | 6 | 4 |
| 47-45 | | .1 | .2 | | .4 | | | | | | | | | | | | | 9 | 9 | 6 | 4 |
| 47-45 | | .1 | .2 | | .4 | | | | | | | | | | | | | 3 | 3 | 4 | 3 |
| 47-47 | | .1 | .4 | .1 | | | | | | | | | | | | | | 6 | 6 | 4 | 7 |
| 77-41 | | .8 | .5 | .1 | .4 | | | | | | | | | | | | | 15 | 15 | 4 | 4 |
| 77-37 | .1 | 1.1 | .7 | .4 | .1 | | | | | | | | | | | | | 26 | 26 | 16 | 3 |
| 77-35 | .1 | 1.5 | .3 | .2 | | | | | | | | | | | | | | 22 | 22 | 22 | 8 |
| 77-33 | .1 | 1.9 | .2 | .1 | | | | | | | | | | | | | | 21 | 21 | 25 | 23 |
| 77-33 | 1.2 | 3.0 | .4 | .4 | | | | | | | | | | | | | | 41 | 41 | 42 | 20 |
| 77-31 | .5 | 4.5 | 1.3 | .2 | | | | | | | | | | | | | | 55 | 55 | 33 | 34 |
| 77-27 | .2 | 1.9 | .8 | .5 | | | | | | | | | | | | | | 26 | 26 | 40 | 28 |
| 77-27 | .6 | 2.6 | .4 | .2 | | | | | | | | | | | | | | 32 | 32 | 41 | 40 |
| 77-25 | .3 | 2.5 | 1.5 | | | | | | | | | | | | | | | 35 | 35 | 34 | 29 |
| 77-23 | 1.1 | 1.5 | .1 | | | | | | | | | | | | | | | 23 | 23 | 38 | 18 |
| 27-21 | 2.1 | 3.6 | .2 | | | | | | | | | | | | | | | 50 | 50 | 53 | 42 |
| 77-17 | 2.4 | 1.9 | .2 | | | | | | | | | | | | | | | 37 | 37 | 43 | 41 |
| 17-17 | 1.9 | 2.1 | .2 | | | | | | | | | | | | | | | 36 | 36 | 29 | 50 |
| 17-17 | 2.8 | 2.7 | .1 | | | | | | | | | | | | | | | 46 | 46 | 42 | 59 |
| 17-13 | 2.1 | 2.4 | .1 | | | | | | | | | | | | | | | 39 | 40 | 45 | 33 |
| 17-11 | 1.7 | 2.3 | | | | | | | | | | | | | | | | 35 | 35 | 33 | 32 |
| 17-11 | 2.0 | 2.4 | | | | | | | | | | | | | | | | 37 | 37 | 37 | 25 |
| 77-7 | .1 | 2.1 | | | | | | | | | | | | | | | | 26 | 26 | 31 | 35 |
| 77-5 | .1 | 1.7 | | | | | | | | | | | | | | | | 21 | 21 | 22 | 37 |
| 77-5 | .1 | 1.8 | | | | | | | | | | | | | | | | 22 | 22 | 29 | 26 |
| 77-5 | 1.3 | 3.0 | | | | | | | | | | | | | | | | 36 | 36 | 29 | 21 |
| 77-1 | 2.1 | .1 | | | | | | | | | | | | | | | | 22 | 22 | 30 | 20 |
| -7-3 | 1.3 | .2 | | | | | | | | | | | | | | | | 13 | 13 | 16 | 24 |
| -7-5 | 1.8 | .4 | | | | | | | | | | | | | | | | 18 | 18 | 16 | 18 |
| -7-7 | 1.2 | | | | | | | | | | | | | | | | | 10 | 10 | 13 | 17 |
| -7-9 | 1.2 | | | | | | | | | | | | | | | | | 10 | 10 | 10 | 25 |
| -10/-11 | 1.4 | | | | | | | | | | | | | | | | | 12 | 12 | 12 | 24 |
| Element (X) | Σx' | | Σx | | Σ | | Σ _A | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7 : 227

ATERTOWN NY

74-83

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STATION

STATION NAME

YEARS

MONTH

PAGE 2

0300-0500

HOURS (L. S. T.)

[illegible]

CLIMATE CLIMATOLOGY BRANCH
 SAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

100227

ATERTOWN NY

74-83

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. Y.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 57/55 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | | | | | |
| 47/52 | | .4 | .2 | | | | | | | | | | | | | | | 5 | 5 | | | | | |
| 27/51 | | .4 | .1 | | | | | | | | | | | | | | | 4 | 4 | 5 | 1 | | | |
| 57/47 | | .2 | | | .1 | | | | | | | | | | | | | 3 | 3 | 5 | 3 | | | |
| 47/47 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 5 | 6 | | | |
| 47/45 | | .4 | | .6 | | | | | | | | | | | | | | 8 | 8 | 1 | 5 | | | |
| 47/43 | | .1 | .4 | .1 | .2 | | | | | | | | | | | | | 6 | 6 | 3 | 3 | | | |
| 27/41 | | .8 | .2 | .9 | .2 | | | | | | | | | | | | | 19 | 19 | 4 | 1 | | | |
| 43/37 | | 1.7 | .4 | .2 | | | | | | | | | | | | | | 23 | 23 | 13 | 3 | | | |
| 37/37 | .2 | 1.5 | .7 | .4 | | | | | | | | | | | | | | 24 | 24 | 26 | 7 | | | |
| 37/35 | .1 | 3.4 | .7 | .8 | | | | | | | | | | | | | | 43 | 43 | 35 | 17 | | | |
| 37/33 | .7 | 2.7 | .8 | .2 | .1 | | | | | | | | | | | | | 39 | 39 | 46 | 30 | | | |
| 37/31 | .5 | 3.6 | .7 | .8 | | | | | | | | | | | | | | 45 | 45 | 34 | 46 | | | |
| 37/29 | | 1.9 | .7 | | | | | | | | | | | | | | | 22 | 22 | 40 | 25 | | | |
| 27/27 | .5 | 2.4 | .6 | .5 | | | | | | | | | | | | | | 33 | 33 | 28 | 28 | | | |
| 27/25 | .4 | 2.7 | .4 | | | | | | | | | | | | | | | 29 | 29 | 33 | 34 | | | |
| 27/23 | .4 | 1.1 | .5 | | | | | | | | | | | | | | | 21 | 21 | 38 | 20 | | | |
| 27/21 | 1.4 | 3.6 | .1 | | | | | | | | | | | | | | | 46 | 46 | 44 | 39 | | | |
| 27/19 | 1.4 | 3.1 | | | | | | | | | | | | | | | | 41 | 41 | 40 | 41 | | | |
| 17/17 | 1.4 | 2.7 | | | | | | | | | | | | | | | | 38 | 38 | 39 | 36 | | | |
| 17/15 | 2.5 | 1.7 | .4 | | | | | | | | | | | | | | | 38 | 38 | 36 | 47 | | | |
| 17/13 | .7 | 1.9 | | | | | | | | | | | | | | | | 22 | 22 | 27 | 45 | | | |
| 17/11 | 1.7 | .9 | | | | | | | | | | | | | | | | 24 | 24 | 28 | 31 | | | |
| 10/11 | 2.3 | 2.3 | | | | | | | | | | | | | | | | 43 | 43 | 37 | 33 | | | |
| 7/7 | 1.4 | 3.0 | | | | | | | | | | | | | | | | 34 | 35 | 38 | 21 | | | |
| 7/5 | .9 | .9 | | | | | | | | | | | | | | | | 16 | 16 | 20 | 32 | | | |
| 7/3 | .7 | 2.5 | | | | | | | | | | | | | | | | 27 | 27 | 24 | 27 | | | |
| 7/1 | 1.4 | 4.5 | | | | | | | | | | | | | | | | 50 | 50 | 42 | 27 | | | |
| 7/-1 | 3.0 | .4 | | | | | | | | | | | | | | | | 28 | 28 | 41 | 19 | | | |
| 7/-3 | 2.1 | .2 | | | | | | | | | | | | | | | | 19 | 19 | 21 | 20 | | | |
| 7/-5 | 1.7 | .2 | | | | | | | | | | | | | | | | 15 | 15 | 15 | 23 | | | |
| 7/-7 | 1.7 | | | | | | | | | | | | | | | | | 14 | 14 | 15 | 27 | | | |
| 7/-9 | 1.4 | | | | | | | | | | | | | | | | | 9 | 9 | 9 | 26 | | | |
| -10/-11 | .3 | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 25 | | | |
| Element (X) | Σ X ² | | Σ X | | X | | X | | X | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

74-227
STATION

VATERTOWN NY
STATION NAME

74-83
YEARS

YEARS

FEB
MONTH

PAGE 2

0600-0800
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|-------|-----|------|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| -1 / -13 | . | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 14 | | | |
| -1 / -11 | .9 | | | | | | | | | | | | | | | | | 8 | 8 | 8 | 15 | | | |
| -1 / -17 | .5 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 11 | | | |
| -1 / -19 | .4 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 14 | | | |
| -1 / -21 | .7 | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 6 | | | |
| -2 / -23 | .5 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 8 | | | |
| -2 / -25 | .5 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 6 | | | |
| -2 / -27 | .5 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | | | | |
| -2 / -29 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 | | | |
| -2 / -31 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | |
| -2 / -33 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 | | | |
| -3 / -35 | | | | | | | | | | | | | | | | | | | | | | | | |
| -3 / -37 | | | | | | | | | | | | | | | | | | | | | | | | |
| -3 / -39 | | | | | | | | | | | | | | | | | | | | | | | | |
| -3 / -41 | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 36.3 | 51.3 | 7.3 | 4.4 | .7 | | | | | | | | | | | | | 844 | 846 | | 844 | | | |
| Element (X) | Σx' | | Σx | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | | |
| Rel. Hum. | 5129973 | | 64739 | | 76.7 | | 13.955 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | | |
| Dry Bulb | 414181 | | 14361 | | 17.0 | | 16.867 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | | |
| Wet Bulb | 428171 | | 13351 | | 15.8 | | 16.043 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | | |
| Dew Point | 363721 | | 9031 | | 10.7 | | 17.800 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | 844 | | | |

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

74-83

154

STATION

STATION NAME

YEARS

MONTH

PAGE 2

2900-1102

HOURS (S. T.)

[illegible]

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC

PSYCHROMETRIC SUMMARY

YEARS

F53

FACE 1 1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|------|-----------|----------|----------|-----------|--------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 47 / 53 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | | | | | |
| 47 / 51 | | | | | .1 | | | | | | | | | | | | | 4 | 4 | | | | | | |
| 47 / 49 | | | | .1 | | .1 | .1 | | | | | | | | | | | 3 | 3 | | | | | | |
| 47 / 57 | | .1 | .2 | | | | | | | | | | | | | | | 3 | 3 | | | | | | |
| 57 / 53 | | .1 | .4 | | .1 | .1 | .2 | | | | | | | | | | | 8 | 8 | 2 | | | | | |
| 47 / 53 | | .1 | | .1 | .1 | .2 | | | | | | | | | | | | 5 | 5 | 9 | 1 | | | | |
| 47 / 51 | | .4 | | | .4 | .4 | | .4 | | | | | | | | | | 11 | 11 | 5 | 6 | | | | |
| 57 / 41 | | .5 | | | .2 | .5 | .2 | | | | | | | | | | | 12 | 12 | 6 | 4 | | | | |
| 47 / 47 | | .9 | .1 | .1 | .4 | .5 | | | | | | | | | | | | 13 | 13 | 8 | 8 | | | | |
| 47 / 45 | | .7 | 1.0 | .1 | .8 | .1 | | | | | | | | | | | | 22 | 22 | 4 | 6 | | | | |
| 47 / 43 | | .1 | 1.1 | 1.0 | .7 | | | | | | | | | | | | | 23 | 23 | 13 | 4 | | | | |
| 47 / 41 | | .5 | 1.7 | .4 | .1 | | | | | | | | | | | | | 22 | 22 | 15 | 2 | | | | |
| 45 / 37 | | .7 | .8 | .0 | .2 | .4 | | | | | | | | | | | | 23 | 23 | 32 | 8 | | | | |
| 37 / 37 | | 1.5 | 1.4 | .4 | .2 | .1 | | | | | | | | | | | | 34 | 34 | 32 | 17 | | | | |
| 37 / 35 | .2 | 2.6 | 2.1 | .8 | .2 | | | | | | | | | | | | | 50 | 52 | 37 | 19 | | | | |
| 37 / 33 | .5 | 2.3 | 1.5 | 1.0 | .1 | | | | | | | | | | | | | 45 | 46 | 51 | 31 | | | | |
| 27 / 31 | .5 | 1.1 | 1.4 | .8 | .1 | | | | | | | | | | | | | 32 | 32 | 38 | 40 | | | | |
| 25 / 27 | .6 | 1.5 | 1.3 | .2 | | | | | | | | | | | | | | 31 | 31 | 43 | 29 | | | | |
| 27 / 27 | 1.1 | 1.4 | 1.1 | .1 | | | | | | | | | | | | | | 32 | 32 | 37 | 44 | | | | |
| 27 / 25 | 1.1 | 3.1 | 2.6 | | | | | | | | | | | | | | | 57 | 57 | 49 | 48 | | | | |
| 27 / 23 | .6 | 2.1 | 1.5 | | | | | | | | | | | | | | | 36 | 36 | 50 | 17 | | | | |
| 27 / 21 | .4 | 2.6 | 2.1 | | | | | | | | | | | | | | | 47 | 47 | 41 | 46 | | | | |
| 17 / 19 | .6 | 5.3 | 1.1 | | | | | | | | | | | | | | | 59 | 59 | 51 | 49 | | | | |
| 17 / 17 | .7 | 4.5 | .8 | | | | | | | | | | | | | | | 51 | 51 | 65 | 24 | | | | |
| 17 / 15 | .6 | 2.5 | 1.5 | | | | | | | | | | | | | | | 41 | 41 | 41 | 38 | | | | |
| 17 / 13 | .1 | 2.3 | 1.2 | | | | | | | | | | | | | | | 30 | 30 | 30 | 56 | | | | |
| 17 / 11 | .6 | 3.6 | .5 | | | | | | | | | | | | | | | 42 | 43 | 34 | 70 | | | | |
| 15 / 11 | | 2.0 | .4 | | | | | | | | | | | | | | | 22 | 22 | 42 | 35 | | | | |
| 7 / 7 | | 2.1 | .1 | | | | | | | | | | | | | | | 20 | 20 | 25 | 28 | | | | |
| 7 / 5 | .2 | 1.3 | | | | | | | | | | | | | | | | 13 | 13 | 22 | 12 | | | | |
| 7 / 3 | | 1.4 | | | | | | | | | | | | | | | | 16 | 16 | 16 | 16 | | | | |
| 7 / 1 | | 1.4 | | | | | | | | | | | | | | | | 12 | 12 | 17 | 27 | | | | |
| 7 / -1 | .4 | .2 | | | | | | | | | | | | | | | | 5 | 5 | 9 | 28 | | | | |
| - / -3 | | .7 | | | | | | | | | | | | | | | | 6 | 6 | 5 | 20 | | | | |
| Element (X) | Σ x ¹ | | | Σ x | | Σ | | Σ _n | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 2 1230-14.3
HOURS (L. S. T.)

[illegible]

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC

PSYCHROMETRIC SUMMARY

74-83

43

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| - / -5 | | . | | | | | | | | | | | | | | | | | | | 16 | | | |
| - / -7 | | | | | | | | | | | | | | | | | | | | b | 21 | | | |
| - / -9 | | | | | | | | | | | | | | | | | | | | | 11 | | | |
| - / -11 | | | | | | | | | | | | | | | | | | | | | 12 | | | |
| -1 / -13 | | | | | | | | | | | | | | | | | | | | | e | | | |
| -1 / -15 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| -1 / -17 | | | | | | | | | | | | | | | | | | | | | f | | | |
| -1 / -19 | | | | | | | | | | | | | | | | | | | | | g | | | |
| -1 / -21 | | | | | | | | | | | | | | | | | | | | | o | | | |
| -2 / -23 | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| -2 / -25 | | | | | | | | | | | | | | | | | | | | | t | | | |
| -2 / -27 | | | | | | | | | | | | | | | | | | | | | z | | | |
| TOTAL | .849 | .628 | .5 | 7.6 | 2.9 | 1.7 | .7 | .2 | | | | | | | | | | | 842 | E46 | 842 | | | |
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USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
MAY 44

PSYCHROMETRIC SUMMARY

74-83

FF-4

STATION

STATION NAME

YEARS

MONTH

P435 1

1824-2525

HOURS (L - S - T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|------------|----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 5 / 55 | | | .3 | .1 | | | | | | | | | | | | | | 3 | 3 | | | | | |
| 4 / 53 | | .1 | .2 | .1 | | | | | | | | | | | | | | 4 | 4 | 1 | | | | |
| 27 / 51 | | | .5 | .2 | | | | | | | | | | | | | | 7 | 7 | 2 | | | | |
| 5 / 4 | | .4 | .1 | .1 | | .7 | | | | | | | | | | | | 11 | 11 | 3 | | | | |
| 1 / 47 | | .4 | .1 | .1 | | | | | | | | | | | | | | 7 | 7 | 3 | | | | |
| 1 / 45 | .1 | 1.2 | .4 | | | | | | | | | | | | | | | 14 | 14 | 9 | | | | |
| 14 / 43 | | .9 | .5 | .2 | .1 | | | | | | | | | | | | | 12 | 12 | 6 | | | | |
| 12 / 41 | .1 | .5 | .7 | .6 | .1 | .1 | | | | | | | | | | | | 16 | 16 | 12 | | | | |
| 40 / 39 | | 1.3 | 1.4 | .1 | .1 | | | | | | | | | | | | | 23 | 23 | 10 | | | | |
| 5 / 37 | | 2.4 | .6 | .5 | .4 | | | | | | | | | | | | | 33 | 33 | 8 | | | | |
| 1 / 35 | | 3.4 | 1.1 | .8 | | | | | | | | | | | | | | 43 | 43 | 19 | | | | |
| 3 / 33 | .1 | 2.4 | 1.3 | .6 | .1 | | | | | | | | | | | | | 42 | 42 | 33 | | | | |
| 27 / 31 | .1 | 4.1 | .7 | .7 | | | | | | | | | | | | | | 47 | 47 | 29 | | | | |
| 1 / 29 | .3 | 1.3 | .8 | .2 | | | | | | | | | | | | | | 26 | 26 | 39 | | | | |
| 1 / 27 | 1.1 | 1.4 | .9 | .1 | | | | | | | | | | | | | | 32 | 32 | 39 | | | | |
| 1 / 25 | 1.2 | 3.8 | 1.9 | | | | | | | | | | | | | | | 58 | 58 | 46 | | | | |
| 21 / 23 | .1 | 2.1 | .8 | | | | | | | | | | | | | | | 31 | 31 | 26 | | | | |
| 2 / 21 | 1.4 | 2.4 | 1.5 | .1 | | | | | | | | | | | | | | 46 | 46 | 38 | | | | |
| 1 / 19 | 1.5 | 2.6 | .8 | | | | | | | | | | | | | | | 42 | 42 | 47 | | | | |
| 1 / 17 | .7 | 3.4 | 1.1 | | | | | | | | | | | | | | | 44 | 44 | 33 | | | | |
| 1 / 15 | .1 | 4.5 | .6 | | | | | | | | | | | | | | | 49 | 49 | 37 | | | | |
| 10 / 13 | .8 | 3.7 | .5 | | | | | | | | | | | | | | | 42 | 42 | 29 | | | | |
| 1 / 11 | 1.1 | 3.1 | .4 | | | | | | | | | | | | | | | 43 | 44 | 37 | | | | |
| 10 / | .7 | 2.2 | .8 | | | | | | | | | | | | | | | 30 | 30 | 39 | | | | |
| 1 / 7 | .1 | 2.4 | | | | | | | | | | | | | | | | 26 | 26 | 44 | | | | |
| 1 / 5 | .1 | 1.9 | | | | | | | | | | | | | | | | 17 | 17 | 29 | | | | |
| 1 / 3 | .7 | 1.3 | | | | | | | | | | | | | | | | 19 | 19 | 36 | | | | |
| 1 / 1 | .7 | 2.4 | | | | | | | | | | | | | | | | 26 | 26 | 32 | | | | |
| 1 / -1 | .9 | .2 | | | | | | | | | | | | | | | | 13 | 10 | 23 | | | | |
| - / -3 | .2 | .5 | | | | | | | | | | | | | | | | 6 | 6 | 19 | | | | |
| - / -5 | .6 | .1 | | | | | | | | | | | | | | | | 6 | 6 | 19 | | | | |
| - / -7 | .7 | | | | | | | | | | | | | | | | | 6 | 6 | 11 | | | | |
| - / -9 | 1.1 | | | | | | | | | | | | | | | | | 9 | 9 | 22 | | | | |
| -13 / -11 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 12 | | | | |
| Element (X) | Σx^1 | Σx | Σ | σ_n | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

74-83

FLAG

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

227

WATER TOWN NY

74-83

E. J. ...

STATION

STATION NAME

YEARS

PAGE 1

2176-2300

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

227
STATION

HIGHTOWN NY

74-83

YEARS

175

MONTH

FILE

2100-2300

HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| -1 / -15 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | | |
| -1 / -16 | .1 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 12 | | | | |
| -1 / -17 | .4 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 4 | | | | |
| -1 / -18 | .1 | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 16 | | | | |
| -1 / -19 | .1 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 4 | | | | |
| -2 / -23 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 3 | | | | |
| -2 / -25 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | | |
| -2 / -27 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 3 | | | | |
| -2 / -29 | | | | | | | | | | | | | | | | | | | | | 4 | | | | |
| -2 / -31 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| -2 / -33 | | | | | | | | | | | | | | | | | | | | | 4 | | | | |
| -3 / -35 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| -3 / -37 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| TOTAL | 27.9 | 54.7 | 14.0 | 2.9 | 1.4 | | | | | | | | | | | | | 845 | | 845 | 845 | | | | |
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22.227
STATION

ALBANY, NY

74-83

PSYCHROMETRIC SUMMARY

F 72

MONTH

PAGE 1

ALL

HOURS (L, S, T)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 17 5 | | | | | | | | | | | | | | | | | | 2 | 2 | | | | | |
| 17 51 | | | | | | | | | | | | | | | | | | 6 | 6 | | | | | |
| 17 55 | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | |
| 17 57 | | | | | | | | | | | | | | | | | | 9 | 9 | | | | | |
| 17 55 | | | | | | | | | | | | | | | | | | 28 | 28 | 5 | | | | |
| 17 53 | | | | | | | | | | | | | | | | | | 36 | 36 | 15 | | | | |
| 17 51 | | | | | | | | | | | | | | | | | | 44 | 44 | 34 | 13 | | | |
| 17 49 | | | | | | | | | | | | | | | | | | 61 | 61 | 52 | 29 | | | |
| 17 47 | | | | | | | | | | | | | | | | | | 71 | 71 | 49 | 46 | | | |
| 17 45 | | | | | | | | | | | | | | | | | | 105 | 105 | 46 | 45 | | | |
| 17 43 | | | | | | | | | | | | | | | | | | 124 | 124 | 69 | 52 | | | |
| 17 41 | | | | | | | | | | | | | | | | | | 124 | 134 | 72 | 34 | | | |
| 17 39 | | | | | | | | | | | | | | | | | | 215 | 204 | 144 | 48 | | | |
| 17 37 | | | | | | | | | | | | | | | | | | 126 | 227 | 230 | 92 | | | |
| 17 35 | | | | | | | | | | | | | | | | | | 322 | 325 | 254 | 149 | | | |
| 17 33 | | | | | | | | | | | | | | | | | | 333 | 334 | 351 | 235 | | | |
| 17 31 | | | | | | | | | | | | | | | | | | 344 | 364 | 334 | 283 | | | |
| 17 29 | | | | | | | | | | | | | | | | | | 229 | 209 | 339 | 244 | | | |
| 17 27 | | | | | | | | | | | | | | | | | | 267 | 268 | 273 | 311 | | | |
| 17 25 | | | | | | | | | | | | | | | | | | 303 | 363 | 315 | 329 | | | |
| 17 23 | | | | | | | | | | | | | | | | | | 231 | 231 | 348 | 167 | | | |
| 17 21 | | | | | | | | | | | | | | | | | | 350 | 380 | 383 | 262 | | | |
| 17 19 | | | | | | | | | | | | | | | | | | 370 | 370 | 354 | 347 | | | |
| 17 17 | | | | | | | | | | | | | | | | | | 348 | 348 | 348 | 322 | | | |
| 17 15 | | | | | | | | | | | | | | | | | | 353 | 354 | 326 | 375 | | | |
| 17 13 | | | | | | | | | | | | | | | | | | 297 | 300 | 327 | 327 | | | |
| 17 11 | | | | | | | | | | | | | | | | | | 266 | 268 | 284 | 350 | | | |
| 17 9 | | | | | | | | | | | | | | | | | | 270 | 270 | 308 | 275 | | | |
| 17 7 | | | | | | | | | | | | | | | | | | 225 | 206 | 234 | 273 | | | |
| 17 5 | | | | | | | | | | | | | | | | | | 146 | 146 | 204 | 213 | | | |
| 17 3 | | | | | | | | | | | | | | | | | | 167 | 168 | 182 | 214 | | | |
| 17 1 | | | | | | | | | | | | | | | | | | 234 | 234 | 203 | 219 | | | |
| 17 -1 | | | | | | | | | | | | | | | | | | 119 | 119 | 162 | 181 | | | |
| 17 -3 | | | | | | | | | | | | | | | | | | 73 | 73 | 82 | 175 | | | |
| Element (X) | ΣX' | | ΣX | | Σ | | Σ _n | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

708227 WATER TOWN NY 74-83 FEB
STATION STATION NAME YEARS MONTH
PAGE 2 ALL
HOURS (L. S. Y.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|--------|------|--------|------|----------|------------------------------------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -1/-5 | 1.2 | .4 | | | | | | | | | | | | | | | | 107 | 107 | 93 | 161 |
| -1/-7 | .8 | | | | | | | | | | | | | | | | | 57 | 57 | 80 | 142 |
| -1/-9 | .4 | | | | | | | | | | | | | | | | | 51 | 51 | 51 | 173 |
| -1/-11 | .0 | | | | | | | | | | | | | | | | | 34 | 34 | 34 | 147 |
| -1/-13 | .0 | | | | | | | | | | | | | | | | | 20 | 20 | 20 | 73 |
| -1/-15 | .4 | | | | | | | | | | | | | | | | | 24 | 24 | 24 | 82 |
| -1/-17 | .2 | | | | | | | | | | | | | | | | | 12 | 12 | 12 | 56 |
| -1/-19 | .3 | | | | | | | | | | | | | | | | | 22 | 22 | 22 | 75 |
| -1/-21 | .2 | | | | | | | | | | | | | | | | | 16 | 16 | 16 | 53 |
| -1/-23 | .1 | | | | | | | | | | | | | | | | | 6 | 7 | 6 | 36 |
| -1/-25 | .2 | | | | | | | | | | | | | | | | | 13 | 13 | 13 | 29 |
| -1/-27 | .2 | | | | | | | | | | | | | | | | | 12 | 12 | 12 | 17 |
| -1/-29 | .1 | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 19 |
| -1/-31 | .0 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 4 |
| -1/-33 | .0 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 16 |
| -1/-35 | | | | | | | | | | | | | | | | | | | | | 4 |
| -1/-37 | | | | | | | | | | | | | | | | | | | | | 17 |
| -1/-39 | | | | | | | | | | | | | | | | | | | | | 16 |
| -1/-41 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 23.7 | 52.9 | 16.2 | 4.2 | 2.1 | .7 | .2 | .1 | | | | | | | | | | 6750 | 6766 | 6750 | 6750 |
| Element (X) | Σ X ² | Σ X | Σ | Σ | Σ | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | |
| Rel. Hum. | 37415728 | 490778 | 72.7 | 16.023 | 6750 | ± 0 F | ± 32 F | ± 67 F | ± 73 F | ± 80 F | ± 93 F | Total | | | | | | | | | |
| Dry Bulb | 4617798 | 143498 | 21.2 | 15.259 | 6766 | 57.3 | 502.2 | | | | | 672 | | | | | | | | | |
| Wet Bulb | 3938298 | 131248 | 19.4 | 14.332 | 6750 | 66.4 | 540.9 | | | | | 672 | | | | | | | | | |
| Dew Point | 3028687 | 89909 | 13.3 | 16.472 | 6750 | 146.9 | 597.8 | | | | | 672 | | | | | | | | | |

PSYCHROMETRIC SUMMARY

75: 227

ALERTOWN NY

74-83

242

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0700

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MAR

MONTH

0000-0200

HOURS (L, S, T,)

[illegible]

PSYCHROMETRIC SUMMARY

| | |
|---------|---------------|
| 10-227 | CATERTOWN, NY |
| STATION | STATION NAME |

74-83

YEARS

15

MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

327

ATLANTA, GA

74-83

MAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0695-3823

HOURS (L, S, T.)

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

MONTH

0600-0800
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISÉD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
NAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

74-227
STATION

LATEXTOWN NY
STATION NAME

74-83
YEARS

MAR
MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|----------|----------|-----------|--|----|----|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | |
| 74 / 73 | | | | | | | | | | .1 | | .1 | | | | | | 1 | | | | 1 | 1 | | | | |
| 73 / 71 | | | | | | | | | | | | | | | | | | 1 | | | | 1 | 1 | | | | |
| 71 / 71 | | | | | | | | | | .1 | | | | | | | | 1 | | | | 1 | 1 | | | | |
| 67 / 67 | | | | | | .1 | | .2 | | .2 | | | | | | | | 5 | | | | 5 | 5 | | | | |
| 67 / 65 | | | | | .2 | | | .1 | | .2 | | | | | | | | 5 | | | | 5 | 5 | | | | |
| 67 / 67 | | | | .1 | .3 | | .1 | | | .1 | | | | | | | | 5 | | | | 5 | 5 | | | | |
| 61 / 61 | | | | .1 | .4 | .3 | .1 | | .1 | .1 | | | | | | | | 10 | | | | 10 | 10 | | | | |
| 59 / 59 | | .1 | .3 | .1 | | | | .1 | | | | | | | | | | 6 | | | | 6 | 4 | 4 | | | |
| 57 / 57 | | .3 | | .2 | .3 | .2 | .3 | | | | | | | | | | | 13 | | | | 13 | 12 | 5 | | | |
| 55 / 55 | .1 | | .1 | .2 | .1 | .3 | .3 | | | | | | | | | | | 11 | | | | 11 | 14 | 5 | 5 | | |
| 53 / 53 | .1 | | .4 | .1 | .1 | .4 | .4 | | | | | | | | | | | 15 | | | | 15 | 10 | 8 | | | |
| 51 / 51 | | .4 | .5 | .2 | .6 | .2 | | | | | | | | | | | | 19 | | | | 19 | 6 | | | | |
| 50 / 49 | | .8 | .4 | .3 | .9 | .4 | | | | | | | | | | | | 23 | | | | 23 | 18 | 5 | | | |
| 47 / 47 | | .5 | .3 | .6 | .6 | | | | | | | | | | | | | 20 | | | | 20 | 17 | 16 | | | |
| 47 / 45 | | 1.1 | .3 | .2 | .9 | .1 | .3 | | | | | | | | | | | 29 | | | | 29 | 27 | 17 | | | |
| 47 / 43 | | .5 | 1.0 | 1.2 | .2 | .1 | .1 | | | | | | | | | | | 29 | | | | 29 | 20 | 16 | | | |
| 43 / 41 | | 1.2 | 1.1 | .3 | .3 | | | | | | | | | | | | | 31 | | | | 31 | 36 | 11 | | | |
| 40 / 39 | .4 | 2.5 | 2.7 | .6 | .4 | | | | | | | | | | | | | 62 | | | | 62 | 36 | 24 | | | |
| 37 / 37 | .3 | 3.7 | 2.0 | .5 | | .1 | | | | | | | | | | | | 62 | | | | 62 | 64 | 25 | | | |
| 37 / 35 | 1.2 | 4.1 | 2.2 | 1.0 | .4 | | | | | | | | | | | | | 62 | | | | 62 | 73 | 47 | | | |
| 34 / 33 | .9 | 4.1 | 2.7 | 1.3 | .2 | | | | | | | | | | | | | 82 | | | | 82 | 87 | 75 | | | |
| 32 / 31 | 1.4 | 4.3 | 2.2 | .9 | .2 | | | | | | | | | | | | | 83 | | | | 83 | 79 | 97 | | | |
| 27 / 25 | 1.3 | 1.6 | 2.4 | .8 | | | | | | | | | | | | | | 53 | | | | 53 | 71 | 84 | | | |
| 27 / 27 | .1 | 1.9 | 1.2 | .5 | | | | | | | | | | | | | | 35 | | | | 35 | 51 | 46 | | | |
| 27 / 25 | .4 | 2.6 | 1.6 | .8 | | | | | | | | | | | | | | 50 | | | | 50 | 56 | 45 | | | |
| 23 / 23 | .1 | 1.1 | 1.5 | .2 | | | | | | | | | | | | | | 27 | | | | 27 | 42 | 25 | | | |
| 22 / 21 | .5 | 1.3 | 1.8 | .2 | | | | | | | | | | | | | | 36 | | | | 36 | 36 | 46 | | | |
| 21 / 19 | .1 | 1.2 | 2.0 | .3 | | | | | | | | | | | | | | 34 | | | | 34 | 40 | 53 | | | |
| 17 / 17 | .1 | 1.1 | 1.0 | | | | | | | | | | | | | | | 20 | | | | 20 | 28 | 31 | | | |
| 17 / 15 | .3 | 1.4 | .9 | | | | | | | | | | | | | | | 24 | | | | 24 | 28 | 23 | | | |
| 17 / 13 | .2 | 1.9 | .6 | | | | | | | | | | | | | | | 22 | | | | 22 | 22 | 32 | | | |
| 17 / 11 | .2 | .6 | .2 | | | | | | | | | | | | | | | 10 | | | | 10 | 22 | 40 | | | |
| 17 / 7 | .1 | .2 | .1 | | | | | | | | | | | | | | | 4 | | | | 4 | 13 | 22 | | | |
| 17 / 7 | | .8 | | | | | | | | | | | | | | | | 7 | | | | 7 | 5 | 20 | | | |
| Element (X) | Σ X ² | | Σ X | | Σ | | Σ | | Σ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE 2 3900-1100
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

100-327 WATERLOO NY

74-33

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|---|--|--|--|--|--|--|--|--|--|--|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 7 / 71 | | | | | | | | | | | .1 | .1 | | | | | | 2 | | | | | | | | | | | | | | | | | |
| 7 / 70 | | | | | | | | | | | .1 | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 7 / 69 | | | | | | | | | .1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 7 / 68 | | | | | | | | .1 | | .1 | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| 7 / 67 | | | | | | | | .1 | .1 | .1 | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 7 / 66 | | | | | | | | .1 | .1 | .1 | | | | | | | | 4 | | | | | | | | | | | | | | | | | |
| 7 / 65 | | | | | | | | .1 | .1 | .1 | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| 7 / 64 | | | | | | | | .1 | .1 | .1 | | | | | | | | 5 | | | | | | | | | | | | | | | | | |
| 7 / 63 | | | | | | | | .1 | .1 | .1 | | | | | | | | 7 | | | | | | | | | | | | | | | | | |
| 7 / 62 | | | | | | | | .1 | .1 | .1 | | | | | | | | 6 | | | 3 | | | | | | | | | | | | | | |
| 7 / 61 | | | | | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 10 | 17 | | 4 | | | | | | | | | | | | | | |
| 7 / 60 | | | .1 | | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 14 | 14 | | 5 | | | | | | | | | | | | | | |
| 7 / 59 | | | .1 | | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 17 | 17 | | 3 | | | | | | | | | | | | | | |
| 7 / 58 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 19 | 19 | 17 | 6 | | | | | | | | | | | | | | |
| 7 / 57 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 56 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 55 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 54 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 53 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 52 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 51 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 50 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 49 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 48 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 47 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 46 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 45 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 44 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 43 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 42 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 41 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 40 | | | .1 | .1 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | 15 | 15 | 12 | 6 | | | | | | | | | | | | | | |
| 7 / 39 | | | .1 | .1 | .1 | | .1 | . | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

MAC

1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

482

MONTH

HOURS 1, 5, 7, 8

[illegible]

JOURNAL CLIMATOLOGY TRANCH
 SAFETAC
 4TH WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 74-23 STATION NAME ATERTOWN NY YEARS MONTH 1500-1700
 PAGE 1 HOURS (L. S. Y.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 7 | | • 1 | | | | | | | | | | | | | | | | 1 | 1 | 4 | 23 | | | |
| 6 | | • 1 | | | | | | | | | | | | | | | | 1 | 1 | 1 | 17 | | | |
| 5 | | • 1 | | | | | | | | | | | | | | | | 1 | 1 | 1 | 17 | | | |
| 4 | | | | | | | | | | | | | | | | | | | | 1 | 17 | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 0 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| -1 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| -2 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| -3 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| -4 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| -5 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| -6 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| -7 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| -8 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| -9 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| -10 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| -11 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| -12 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| -13 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| -14 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| -15 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| -16 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| -17 | | | | | | | | | | | | | | | | | | | | | 0 | | | |
| TOTAL | .727.227.918.9 9.7 6.9 2.3 .6 .3 .6 | | | | | | | | | | | | | | | | | 970 | 650 | 930 | 930 | | | |

| Element (X) | Σ g ² | Σ g | Σ | Σ g _a | No. Obs. | Mean No. of Hours with Temperature | | | | | |
|-------------|------------------|--------|------------|------------------|----------|------------------------------------|--------|-------|--|--|----|
| | ± 0 F | ± 32 F | ± 67 F | ± 73 F | | ± 80 F | ± 93 F | Total | | | |
| Rel. Hum. | 251174 | 60400 | 64.918.802 | 930 | | 30.6 | 1.9 | .6 | | | 57 |
| Dry Bulb | 1449593 | 35098 | 37.711.607 | 930 | | | | | | | 93 |
| Wet Bulb | 1133331 | 21133 | 33.8 9.936 | 930 | | 43.6 | | | | | 93 |
| Dew Point | 763179 | 24127 | 25.912.155 | 930 | 1.5 | 67.5 | | | | | 93 |

| Element (X) | X ₁ | X ₂ | X ₃ | X ₄ | No. Obs. | Mean No. of Hours with Temperature | | | | | Total |
|-------------|----------------|----------------|----------------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|
| Rel. Hum. | 6251174 | 60400 | 64.9 | 18.8 | 930 | ≥ 0 F | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |
| Dry Bulb | 1449594 | 35098 | 37.7 | 11.6 | 930 | | 30.6 | 1.9 | .6 | | |
| Wet Bulb | 113373 | 1113 | 33.5 | 9.9 | 930 | | 43.5 | | | | |
| Dew Point | 763175 | 24127 | 25.9 | 12.1 | 930 | 1.5 | 67.0 | | | | |

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|--------|----------|----------|-----------|--------|-------|--|--|--|--|--|--|--|--|--|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 47 / 73 | | | | | | | | .1 | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 47 / 71 | | | | | | | | .1 | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 47 / 69 | | | | | | | | .1 | .1 | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | |
| 47 / 67 | | | | | | | | .1 | .1 | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | |
| 47 / 65 | | | | | | .1 | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 47 / 63 | | | | | .1 | .1 | | | | .1 | | | | | | | | 3 | 3 | 1 | | | | | | | | | | | | | | | |
| 47 / 61 | | | | | .1 | | | | | .1 | | | | | | | | 3 | 3 | 1 | | | | | | | | | | | | | | | |
| 47 / 59 | | | | | .1 | .2 | | | | .1 | | | | | | | | 4 | 4 | 2 | | | | | | | | | | | | | | | |
| 47 / 57 | | .3 | | | .1 | .3 | | | | .1 | .1 | | | | | | | 9 | 9 | 4 | | | | | | | | | | | | | | | |
| 47 / 55 | | .3 | .1 | | .4 | .1 | | | | .1 | | | | | | | | 9 | 9 | 6 | 6 | | | | | | | | | | | | | | |
| 47 / 53 | | .1 | .1 | | .3 | .3 | | | | .1 | | | | | | | | 16 | 16 | 2 | 1 | | | | | | | | | | | | | | |
| 47 / 51 | | .1 | .1 | | .3 | .2 | | | | .1 | | | | | | | | 11 | 11 | 3 | 4 | | | | | | | | | | | | | | |
| 47 / 49 | | .2 | 1.1 | | .1 | .5 | .4 | | | | | | | | | | | 25 | 25 | 6 | 3 | | | | | | | | | | | | | | |
| 47 / 47 | | .8 | .2 | | .1 | .5 | .2 | | | | | | | | | | | 17 | 17 | 21 | 5 | | | | | | | | | | | | | | |
| 47 / 45 | | .8 | .5 | | .4 | .4 | .4 | | | | | | | | | | | 24 | 24 | 27 | 16 | | | | | | | | | | | | | | |
| 47 / 43 | .1 | 1.1 | 1.3 | | 1.2 | .3 | | | | | | | | | | | | 37 | 37 | 16 | 20 | | | | | | | | | | | | | | |
| 47 / 41 | .5 | 1.2 | 1.4 | | .6 | .4 | | | | | | | | | | | | 39 | 39 | 34 | 19 | | | | | | | | | | | | | | |
| 47 / 39 | .3 | 1.3 | 2.1 | | .9 | .1 | .1 | | | | | | | | | | | 50 | 50 | 41 | 13 | | | | | | | | | | | | | | |
| 47 / 37 | .1 | 1.2 | 2.7 | | .8 | .4 | | | | | | | | | | | | 43 | 53 | 55 | 33 | | | | | | | | | | | | | | |
| 47 / 35 | .4 | 5.9 | 2.9 | | 1.3 | .2 | | | | | | | | | | | | 99 | 99 | 69 | 39 | | | | | | | | | | | | | | |
| 47 / 33 | 1.1 | 5.4 | 2.1 | | 1.1 | | | | | | | | | | | | | 89 | 61 | 179 | 47 | | | | | | | | | | | | | | |
| 47 / 31 | 1.2 | 4.0 | 4.2 | | 1.1 | .3 | | | | | | | | | | | | 108 | 108 | 81 | 106 | | | | | | | | | | | | | | |
| 47 / 29 | 1.1 | 1.4 | 3.3 | | .6 | | | | | | | | | | | | | 69 | 69 | 90 | 96 | | | | | | | | | | | | | | |
| 47 / 27 | .3 | 2.6 | 1.7 | | .4 | | | | | | | | | | | | | 49 | 53 | 66 | 62 | | | | | | | | | | | | | | |
| 47 / 25 | 1.3 | 1.7 | 1.3 | | .3 | | | | | | | | | | | | | 46 | 46 | 85 | 58 | | | | | | | | | | | | | | |
| 47 / 23 | .4 | 1.3 | .9 | | .3 | | | | | | | | | | | | | 27 | 27 | 39 | 32 | | | | | | | | | | | | | | |
| 47 / 21 | .5 | 1.9 | 1.2 | | .1 | | | | | | | | | | | | | 35 | 35 | 40 | 48 | | | | | | | | | | | | | | |
| 47 / 19 | .3 | 1.4 | 1.5 | | .1 | | | | | | | | | | | | | 31 | 31 | 31 | 68 | | | | | | | | | | | | | | |
| 47 / 17 | .2 | .6 | .5 | | | | | | | | | | | | | | | 13 | 13 | 32 | 47 | | | | | | | | | | | | | | |
| 47 / 15 | .6 | 1.9 | .2 | | | | | | | | | | | | | | | 17 | 17 | 23 | 47 | | | | | | | | | | | | | | |
| 47 / 13 | .1 | .8 | | | | | | | | | | | | | | | | 7 | 7 | 6 | 37 | | | | | | | | | | | | | | |
| 47 / 11 | .2 | .1 | .1 | | | | | | | | | | | | | | | 6 | 6 | 9 | 22 | | | | | | | | | | | | | | |
| 47 / 9 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 3 | 22 | | | | | | | | | | | | | | |
| 47 / 7 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 2 | 19 | | | | | | | | | | | | | | |
| Element (X) | Σ x' | | | Σ x | | | Σ | | | Σ _n | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 1927
STATION

WATERTOWN NY
STATION NAME

74-83
YEARS

YEARS

MAR
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| / 0 | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 3 | 11 |
| / 1 | | .3 | | | | | | | | | | | | | | | | 3 | 4 | 2 | 10 |
| / -1 | .1 | .1 | | | | | | | | | | | | | | | | 4 | 4 | 5 | 11 |
| - / -3 | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 5 |
| - / -5 | | | | | | | | | | | | | | | | | | | | 1 | 2 |
| - / -7 | | | | | | | | | | | | | | | | | | | | | 1 |
| - / -9 | | | | | | | | | | | | | | | | | | | | | 4 |
| - / -11 | | | | | | | | | | | | | | | | | | | | | 4 |
| -1 / -15 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 5.140 | 7.31 | 11.1 | 4.7 | 2.1 | .3 | .4 | | | | | | | | | | | 927 | 930 | 927 | 927 |
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PSYCHROMETRIC SUMMARY

77-227 WATERTOWN NY
STATION

74-53

YEARS

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PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC SERVICE/MAC

PSYCHROMETRIC SUMMARY

27 STATION AIRTOWN NY 74-83 YEARS MONTH PAGE 2 2100-2300 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| - / - | 0.3 | | | | | | | | | | | | | | | | | 3 | 1 | 4 | 2 | | | | | | | | | | | | | | |
| - / -5 | 0.3 | | | | | | | | | | | | | | | | | 3 | 4 | 3 | 6 | | | | | | | | | | | | | | |
| - / -7 | 0.1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 2 | | | | | | | | | | | | | | |
| - / -9 | 0.1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 5 | | | | | | | | | | | | | | |
| - / -11 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| -1 / -13 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| -1 / -15 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| -1 / -21 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| TOTAL | 13.4 | 52.1 | 24.4 | 6.7 | 2.1 | 1.1 | 1.0 | .3 | | | | | | | | | | 926 | 937 | 926 | 926 | | | | | | | | | | | | | | |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Rel. Hum. | 5428876 | 69612 | 75.2 | 14.549 | 926 | | | | | | | 93 |
| Dry Bulb | 1028236 | 29128 | 31.3 | 11.177 | 930 | 1.2 | 51.6 | .2 | | | | 53 |
| Wet Bulb | 672782 | 26812 | 29.0 | 10.211 | 926 | 1.4 | 59.5 | | | | | 53 |
| Dew Point | 655977 | 22129 | 23.9 | 11.724 | 926 | 3.2 | 74.4 | | | | | 54 |

PSYCHROMETRIC SUMMARY

74-83

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L, S, T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

227
STATION

ALERTON NV

74-93

548

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-83

APK

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L - S - T.)

[illegible]

PSYCHROMETRIC SUMMARY

11 27

WATERLOO NY

74-83

MON T

PAGE 2

0000-0000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | >31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 71 | 0.8 | 46.0 | 27.0 | 9.0 | 2.9 | 3.0 | 1.0 | .0 | .1 | | | | | | | | | 879 | 590 | 879 | 879 | |
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PSYCHROMETRIC SUMMARY

ALBANY, NY

74-83

403

STATION

STATION NAME

YEARS

MONTH

PAGE 3

0300-0500

HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
NA 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

APR
MONTH

PAGE 7 0600-0800
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 131 | 5.5 | 43. | 33. | 29. | 3.4 | 2.4 | 1.8 | .1 | .5 | | | | | | | | | 872 | 897 | 872 | 872 | |
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USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
R&A

PSYCHROMETRIC SUMMARY

74-83

422

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0923-1159

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
 AFM/TAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1227 AFTERTOWN NY 74-83 APR 1900-1100

STATION

STATION NAME

YEARS

MONTH

PAGE 2

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|-------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | | = 31 | Dry Bulb | Wet Bulb | Dew Point |
| 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 0 |
| 2 | | | | | | | | | | | | | | | | | | | | | 0 |
| 3 | | | | | | | | | | | | | | | | | | | | | 0 |
| 4 | | | | | | | | | | | | | | | | | | | | | 0 |
| 5 | | | | | | | | | | | | | | | | | | | | | 0 |
| 6 | | | | | | | | | | | | | | | | | | | | | 0 |
| 7 | | | | | | | | | | | | | | | | | | | | | 0 |
| 8 | | | | | | | | | | | | | | | | | | | | | 0 |
| 9 | | | | | | | | | | | | | | | | | | | | | 0 |
| 10 | | | | | | | | | | | | | | | | | | | | | 0 |
| 11 | | | | | | | | | | | | | | | | | | | | | 0 |
| 12 | | | | | | | | | | | | | | | | | | | | | 0 |
| 13 | | | | | | | | | | | | | | | | | | | | | 0 |
| 14 | | | | | | | | | | | | | | | | | | | | | 0 |
| 15 | | | | | | | | | | | | | | | | | | | | | 0 |
| 16 | | | | | | | | | | | | | | | | | | | | | 0 |
| 17 | | | | | | | | | | | | | | | | | | | | | 0 |
| 18 | | | | | | | | | | | | | | | | | | | | | 0 |
| 19 | | | | | | | | | | | | | | | | | | | | | 0 |
| 20 | | | | | | | | | | | | | | | | | | | | | 0 |
| 21 | | | | | | | | | | | | | | | | | | | | | 0 |
| 22 | | | | | | | | | | | | | | | | | | | | | 0 |
| 23 | | | | | | | | | | | | | | | | | | | | | 0 |
| 24 | | | | | | | | | | | | | | | | | | | | | 0 |
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| 29 | | | | | | | | | | | | | | | | | | | | | 0 |
| 30 | | | | | | | | | | | | | | | | | | | | | 0 |
| 31 | | | | | | | | | | | | | | | | | | | | | 0 |
| TOTAL | 2.6 | 21.7 | 21.9 | 22.6 | 12.3 | 9.0 | 4.3 | 3.5 | 1.3 | .2 | | | | | | | | 976 | 900 | 876 | 675 |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|----|
| | | | | | | $\leq 0 F$ | $\leq 32 F$ | $\geq 67 F$ | $\geq 73 F$ | $\geq 80 F$ | $\geq 93 F$ | |
| Rel. Hum. | 38530.7 | 55967 | 63.9 | 17.831 | 876 | | | | | | | 97 |
| Dry Bulb | 2011730 | 41274 | 45.9 | 11.499 | 900 | | 19.7 | 4.3 | 1.3 | | | 97 |
| Wet Bulb | 1517515 | 35431 | 40.3 | 9.797 | 876 | | 18.7 | .2 | | | | 97 |
| Dew Point | 1078321 | 29098 | 33.2 | 11.302 | 876 | .2 | 42.1 | .1 | | | | 97 |

PSYCHROMETRIC SUMMARY

10 027
STATION

AT:NYOAN NY

74-83

A 200

MONTH

PAGE 1

1200-1421

HOURS (L, S, T,)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------|--|-------|--|--|--|--|--|--|--|--|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 47 / 8 | | | | | | | | | .1 | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 47 / 11 | | | | | | | | | | .2 | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | |
| 47 / 14 | | | | | | | .1 | | | .1 | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | |
| 47 / 17 | | | | | | .1 | .1 | .3 | .1 | .2 | | | | | | | | 10 | 10 | | | | | | | | | | | | | | | | |
| 47 / 20 | | | | | | .1 | .5 | .2 | .1 | | | | | | | | | 10 | 10 | | | | | | | | | | | | | | | | |
| 47 / 23 | | | | .1 | .3 | | .2 | .2 | | .3 | .1 | | | | | | | 11 | 11 | | | | | | | | | | | | | | | | |
| 47 / 26 | | | | | .1 | .1 | .3 | .5 | .6 | .3 | .2 | | | .1 | | | | 17 | 17 | | | | | | | | | | | | | | | | |
| 47 / 29 | | | | .1 | .1 | .2 | .5 | .2 | .2 | .3 | | | | | | | | 15 | 15 | 2 | | | | | | | | | | | | | | | |
| 47 / 32 | | | | .1 | .1 | | .4 | .5 | .1 | .1 | | | | | | | | 16 | 16 | 4 | 2 | | | | | | | | | | | | | | |
| 47 / 35 | | | | | | .3 | .3 | .7 | .3 | .3 | | | | | | | | 17 | 17 | 6 | | | | | | | | | | | | | | | |
| 47 / 38 | | | | .3 | .3 | | .6 | .3 | .5 | .2 | | | | | | | | 20 | 24 | 12 | 2 | | | | | | | | | | | | | | |
| 47 / 41 | | .2 | .1 | .2 | .5 | .1 | | 1.0 | .3 | .1 | | | | | | | | 23 | 24 | 17 | 2 | | | | | | | | | | | | | | |
| 47 / 44 | | .3 | | .1 | .2 | .3 | .7 | .9 | .1 | | | | | | | | | 27 | 29 | 19 | 4 | | | | | | | | | | | | | | |
| 47 / 47 | .1 | .9 | .3 | .3 | .6 | .8 | .9 | .9 | | | | | | | | | | 40 | 41 | 17 | 13 | | | | | | | | | | | | | | |
| 47 / 50 | .1 | .2 | .9 | .6 | 1.4 | .5 | 1.6 | .3 | | | | | | | | | | 45 | 54 | 29 | 17 | | | | | | | | | | | | | | |
| 47 / 53 | | 1.1 | .2 | 1.1 | 1.5 | 1.0 | .5 | | | | | | | | | | | 49 | 51 | 31 | 11 | | | | | | | | | | | | | | |
| 47 / 56 | .2 | .9 | .3 | .8 | 1.6 | 1.7 | .7 | | | | | | | | | | | 56 | 60 | 35 | 16 | | | | | | | | | | | | | | |
| 47 / 59 | .1 | .6 | 1.1 | .7 | 2.2 | 1.1 | .2 | | | | | | | | | | | 53 | 56 | 36 | 33 | | | | | | | | | | | | | | |
| 47 / 62 | .3 | .6 | 2.2 | 2.3 | 1.4 | 1.1 | .3 | .1 | | | | | | | | | | 79 | 81 | 74 | 26 | | | | | | | | | | | | | | |
| 47 / 65 | .2 | 2.2 | 1.9 | 1.1 | 1.3 | .9 | .3 | | | | | | | | | | | 69 | 69 | 70 | 25 | | | | | | | | | | | | | | |
| 47 / 68 | .1 | 1.7 | 1.3 | 1.3 | 1.3 | .5 | | | | | | | | | | | | 55 | 58 | 91 | 32 | | | | | | | | | | | | | | |
| 47 / 71 | .1 | 1.3 | 1.7 | 1.0 | 1.3 | .3 | | | | | | | | | | | | 67 | 67 | 95 | 47 | | | | | | | | | | | | | | |
| 47 / 74 | .1 | .4 | 1.1 | .7 | .4 | | | | | | | | | | | | | 29 | 29 | 71 | 75 | | | | | | | | | | | | | | |
| 47 / 77 | .2 | 1.1 | 1.3 | 1.4 | .5 | | | | | | | | | | | | | 36 | 39 | 62 | 67 | | | | | | | | | | | | | | |
| 47 / 80 | .3 | .8 | 1.1 | 1.5 | .6 | | | | | | | | | | | | | 40 | 43 | 45 | 65 | | | | | | | | | | | | | | |
| 47 / 83 | | .4 | .5 | .8 | .5 | | | | | | | | | | | | | 13 | 13 | 35 | 46 | | | | | | | | | | | | | | |
| 47 / 86 | | .7 | 1.1 | .3 | | | | | | | | | | | | | | 20 | 20 | 41 | 68 | | | | | | | | | | | | | | |
| 47 / 89 | .3 | .9 | .7 | .1 | | | | | | | | | | | | | | 17 | 17 | 30 | 45 | | | | | | | | | | | | | | |
| 47 / 92 | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 26 | 44 | | | | | | | | | | | | | | |
| 47 / 95 | .4 | 1.0 | .1 | .1 | | | | | | | | | | | | | | 12 | 13 | 14 | 43 | | | | | | | | | | | | | | |
| 47 / 98 | | .5 | .2 | | | | | | | | | | | | | | | 6 | 6 | 12 | 25 | | | | | | | | | | | | | | |
| 47 / 101 | | .7 | | | | | | | | | | | | | | | | 2 | 2 | 4 | 43 | | | | | | | | | | | | | | |
| 47 / 104 | .1 | | .1 | | | | | | | | | | | | | | | 2 | 2 | 3 | 43 | | | | | | | | | | | | | | |
| 47 / 107 | | .3 | | | | | | | | | | | | | | | | 3 | 3 | 2 | 19 | | | | | | | | | | | | | | |
| Element (X) | Σx' | | Σx | | Σ | | σ _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

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HOURS (L, S, T.)

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0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

74-227 AT-R TOWN, NY

74-33

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

227
STATION

ALBANY, NY

74-83

ADH
MONTH

PAGE 3 1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | >31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 1 / 1- | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 2 | 16 | | | |
| 1 / 1 | | | | | | | | | | | | | | | | | | | | 1 | 17 | | | |
| 1 / 11 | | | | | | | | | | | | | | | | | | | | | 4 | | | |
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| / 1 | | | | | | | | | | | | | | | | | | | | | 4 | | | |
| TOTAL | 2.117.6 | 16.6 | 16.5 | 15.3 | 12.2 | 8.9 | 5.7 | 4.5 | 2.3 | .1 | | | | | | | | 980 | 900 | 880 | | | | |
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

750227
STATION

SATERTOWN NY
STATION NAME

74-83
YEARS

APR
MONTH

PAGE 1 1800-2000
HOURS (L. S. Y.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 77 / 77 | | | | | | | | | .1 | | | | | | | | | 1 | 1 | | |
| 76 / 75 | | | | | | | | .1 | | | | | | | | | | 1 | 1 | | |
| 75 / 73 | | | | | | | .1 | | .2 | | | | | | | | | 4 | 4 | | |
| 74 / 71 | | | | | | .3 | .3 | .1 | | | | | | | | | | 6 | 6 | | |
| 73 / 69 | | | | .1 | | | .1 | .2 | | | | | | | | | | 4 | 4 | | |
| 72 / 67 | | | | | .3 | .3 | .3 | .5 | | | | | | | | | | 12 | 12 | | |
| 67 / 65 | | | .1 | .3 | .3 | .3 | .2 | | .1 | | | | | | | | | 16 | 16 | 1 | |
| 64 / 63 | | | .2 | .3 | .2 | .2 | .2 | .7 | | | | | | | | | | 20 | 20 | 6 | |
| 7 / 61 | | | .2 | .3 | .3 | .3 | .5 | .5 | .2 | | | | | | | | | 26 | 27 | 6 | |
| 7 / 59 | | .1 | .2 | .2 | .3 | .3 | .3 | .5 | .5 | | | | | | | | | 19 | 19 | 15 | 4 |
| 7 / 57 | | .7 | .3 | .1 | .3 | .3 | .3 | .6 | .6 | | | | | | | | | 24 | 34 | 15 | 4 |
| 5 / 55 | | .9 | .6 | .5 | .6 | .7 | .2 | .1 | | | | | | | | | | 31 | 32 | 25 | 10 |
| 47 / 53 | .1 | 1.4 | .7 | .3 | .3 | 1.2 | .1 | | | | | | | | | | | 40 | 43 | 27 | 17 |
| 27 / 51 | .1 | .3 | .5 | .7 | 1.4 | .2 | .5 | .1 | | | | | | | | | | 39 | 41 | 29 | 17 |
| 53 / 45 | .1 | 1.4 | 1.7 | 1.4 | 1.6 | .8 | .3 | | | | | | | | | | | 58 | 60 | 28 | 23 |
| 5 / 47 | | .3 | .3 | 1.7 | 1.7 | .3 | .1 | | | | | | | | | | | 44 | 47 | 46 | 14 |
| 47 / 45 | .1 | 1.5 | 2.1 | 1.9 | 1.8 | .1 | .2 | | | | | | | | | | | 68 | 71 | 51 | 26 |
| 44 / 43 | .6 | 1.8 | 1.9 | 2.8 | .5 | .1 | | | | | | | | | | | | 67 | 69 | 57 | 32 |
| 27 / 41 | .3 | 1.8 | 1.9 | 2.8 | .7 | .1 | | | | | | | | | | | | 71 | 71 | 90 | 30 |
| 4 / 39 | .1 | 3.5 | 3.7 | 1.8 | 1.1 | | | | | | | | | | | | | 91 | 91 | 73 | 44 |
| 37 / 37 | .1 | 2.0 | 2.4 | .7 | .1 | | | | | | | | | | | | | 55 | 55 | 103 | 52 |
| 37 / 35 | | 1.7 | 3.2 | 1.0 | | | | | | | | | | | | | | 52 | 55 | 77 | 74 |
| 35 / 33 | | 2.2 | 2.3 | .5 | .1 | | | | | | | | | | | | | 44 | 44 | 63 | 76 |
| 32 / 31 | | 2.0 | 2.0 | .6 | | | | | | | | | | | | | | 41 | 41 | 64 | 99 |
| 27 / 27 | .3 | .4 | .3 | .1 | | | | | | | | | | | | | | 14 | 14 | 45 | 71 |
| 27 / 27 | .1 | .1 | .1 | .5 | | | | | | | | | | | | | | 7 | 7 | 26 | 64 |
| 27 / 25 | | .6 | .3 | .2 | | | | | | | | | | | | | | 10 | 11 | 6 | 67 |
| 27 / 23 | | .5 | | | | | | | | | | | | | | | | 4 | 4 | 14 | 23 |
| 27 / 21 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 6 | 25 |
| 27 / 19 | | .1 | .3 | | | | | | | | | | | | | | | 4 | 4 | 1 | 30 |
| 17 / 17 | | .3 | | | | | | | | | | | | | | | | 3 | 3 | 1 | 22 |
| 17 / 15 | | | | | | | | | | | | | | | | | | | | 6 | 6 |
| 14 / 13 | | | | | | | | | | | | | | | | | | | | | 5 |
| 17 / 11 | | | | | | | | | | | | | | | | | | | | | 10 |
| Element (X) | Σ X' | | Σ X | | X | | X | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | Total | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

1300-2000

HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 1 | | | | | | | | | | | | | | | | | | | | | | |
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| 10 | | | | | | | | | | | | | | | | | | | | | | |
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| 16 | | | | | | | | | | | | | | | | | | | | | | |
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| 30 | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 50.3 | 24.0 | 26.1 | 16.1 | 12.5 | 7.3 | 4.3 | 3.2 | .7 | | | | | | | | | 681 | 900 | 831 | 861 | |
| | | | | | | | | | | | | | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

74-83

422

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L - S - T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 77 / 73 | | | | | .1 | .2 | | | | | | | | | | | | 3 | 3 | | | | | |
| 77 / 69 | | | | | .1 | .1 | | | .1 | | | | | | | | | 3 | 3 | | | | | |
| 67 / 67 | | | .1 | | .1 | | | | | | | | | | | | | 2 | 2 | | | | | |
| 67 / 65 | | | .2 | | | .3 | | .3 | | | | | | | | | | 7 | 7 | | | | | |
| 57 / 53 | | | .2 | .4 | | .2 | .1 | | | | | | | | | | | 10 | 13 | 2 | | | | |
| 57 / 61 | | .2 | .2 | .3 | .5 | .1 | | | | | | | | | | | | 13 | 13 | 6 | | | | |
| 77 / 50 | .2 | .4 | .4 | .1 | .8 | | .2 | | | | | | | | | | | 24 | 24 | 10 | 6 | | | |
| 77 / 57 | | .1 | .3 | .2 | .2 | .5 | .2 | | | | | | | | | | | 14 | 14 | 13 | 9 | | | |
| 57 / 55 | | .3 | .9 | .9 | .2 | .2 | | | | | | | | | | | | 22 | 22 | 13 | 11 | | | |
| 47 / 53 | | .6 | .3 | .5 | .5 | .9 | .2 | | | | | | | | | | | 26 | 26 | 19 | 10 | | | |
| 27 / 51 | .1 | .8 | 1.1 | .5 | .3 | 1.1 | | | | | | | | | | | | 35 | 35 | 21 | 12 | | | |
| 57 / 47 | .3 | 1.7 | .2 | .6 | .4 | .5 | | | | | | | | | | | | 38 | 47 | 35 | 22 | | | |
| 47 / 47 | .1 | 1.3 | .7 | 1.1 | .6 | | | | | | | | | | | | | 33 | 37 | 34 | 19 | | | |
| 47 / 45 | .1 | 2.4 | 1.4 | .6 | .5 | | | | | | | | | | | | | 43 | 48 | 26 | 38 | | | |
| 47 / 43 | .3 | 1.8 | 2.2 | 1.7 | .5 | | | | | | | | | | | | | 56 | 62 | 50 | 29 | | | |
| 27 / 41 | .7 | 1.7 | 2.4 | 1.9 | .1 | | | | | | | | | | | | | 60 | 61 | 70 | 21 | | | |
| 47 / 37 | .3 | 3.9 | 4.2 | 1.9 | .3 | | | | | | | | | | | | | 64 | 95 | 58 | 30 | | | |
| 37 / 77 | .2 | 3.4 | 4.7 | 2.2 | .1 | | | | | | | | | | | | | 95 | 95 | 76 | 56 | | | |
| 77 / 35 | .1 | 4.2 | 2.7 | 1.3 | | | | | | | | | | | | | | 73 | 76 | 80 | 64 | | | |
| 37 / 33 | | 4.2 | 1.9 | .8 | | | | | | | | | | | | | | 61 | 61 | 103 | 54 | | | |
| 77 / 31 | .1 | 5.7 | 1.0 | .3 | | | | | | | | | | | | | | 72 | 72 | 80 | 115 | | | |
| 77 / 29 | .1 | 2.7 | 2.1 | .1 | | | | | | | | | | | | | | 44 | 44 | 81 | 78 | | | |
| 77 / 27 | .5 | 1.1 | .3 | | | | | | | | | | | | | | | 18 | 18 | 36 | 81 | | | |
| 77 / 25 | .1 | .7 | .1 | .2 | | | | | | | | | | | | | | 10 | 13 | 33 | 84 | | | |
| 25 / 23 | .1 | .6 | .3 | | | | | | | | | | | | | | | 9 | 9 | 11 | 25 | | | |
| 27 / 21 | | .1 | .3 | | | | | | | | | | | | | | | 4 | 4 | 5 | 29 | | | |
| 27 / 19 | | .2 | .2 | | | | | | | | | | | | | | | 4 | 4 | 8 | 37 | | | |
| 17 / 17 | | .2 | .1 | | | | | | | | | | | | | | | 3 | 3 | 2 | 17 | | | |
| 17 / 15 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 5 | 10 | | | |
| 15 / 13 | | | | | | | | | | | | | | | | | | | | 1 | 3 | | | |
| 17 / 11 | | | | | | | | | | | | | | | | | | | | | 6 | | | |
| 17 / 9 | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 7 / 7 | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 5 / 5 | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| Element (X) | Σx' | | Σx | | Σ | | Σ _s | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

10227

ALERTOWN NY

74-83

▲P3

STATION

STATION NAME

YEARS

MONTH

PAGE 2

2100-2325

2 2 0 0 2 3 2
HOURS (L. S. T.)

[illegible]

100727 CATERTOWN NY

74-83

AP.

STATION

STATION NAME

YEARS

MONTH

PAGE 1

All

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|------|----------|----------|-----------|-----|--------|--|--------|--|--------|--|-------|--|--|--|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 72 51 | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 47 49 | | | | | | | | | .0 | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 77 71 | | | | | | | | | | .1 | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | | |
| 77 70 | | | | | | | | | .0 | .0 | .0 | .0 | | | | | | 7 | 7 | | | | | | | | | | | | | | | | |
| 77 77 | | | | | | | | .1 | .1 | .1 | .1 | .1 | | | | | | 17 | 17 | | | | | | | | | | | | | | | | |
| 67 75 | | | | | | | | .1 | .1 | .1 | .0 | .1 | | | | | | 25 | 25 | | | | | | | | | | | | | | | | |
| 47 72 | | | | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .0 | .0 | .0 | | | | | 28 | 28 | | | | | | | | | | | | | | | | |
| 27 71 | | | .0 | .1 | .1 | .1 | .1 | .2 | .1 | .1 | .1 | | | | | | | 53 | 53 | | | | | | | | | | | | | | | | |
| 77 59 | | | | .1 | .1 | .1 | .1 | .2 | .1 | .0 | | | | | | | | 46 | 46 | 3 | | | | | | | | | | | | | | | |
| 67 67 | | | .1 | .1 | .2 | .1 | .3 | .2 | .1 | .0 | | | | | | | | 66 | 66 | 7 | 3 | | | | | | | | | | | | | | |
| 67 65 | | .1 | .1 | .2 | .1 | .2 | .3 | .3 | .2 | .1 | | | | | | | | 109 | 109 | 19 | | | | | | | | | | | | | | | |
| 47 63 | | .1 | .2 | .4 | .2 | .3 | .3 | .2 | .2 | .1 | | | | | | | | 130 | 133 | 41 | 6 | | | | | | | | | | | | | | |
| 27 61 | | .2 | .3 | .3 | .3 | .3 | .2 | .3 | .2 | .0 | | | | | | | | 145 | 150 | 61 | 6 | | | | | | | | | | | | | | |
| 77 59 | .1 | .4 | .3 | .2 | .2 | .3 | .4 | .4 | .0 | | | | | | | | | 182 | 186 | 94 | 36 | | | | | | | | | | | | | | |
| 77 57 | .1 | .4 | .3 | .2 | .3 | .6 | .4 | .3 | .0 | | | | | | | | | 176 | 181 | 111 | 75 | | | | | | | | | | | | | | |
| 57 55 | .1 | .4 | .4 | .5 | .4 | .5 | .4 | .1 | .0 | | | | | | | | | 218 | 232 | 162 | 106 | | | | | | | | | | | | | | |
| 47 53 | .0 | .7 | .7 | .4 | .7 | 1.1 | .5 | .0 | | | | | | | | | | 245 | 294 | 164 | 87 | | | | | | | | | | | | | | |
| 27 51 | .1 | .7 | .9 | .6 | 1.0 | 1.1 | .2 | .0 | | | | | | | | | | 311 | 318 | 189 | 99 | | | | | | | | | | | | | | |
| 57 49 | .2 | .9 | .9 | .8 | 1.2 | .7 | .2 | .1 | | | | | | | | | | 339 | 353 | 267 | 172 | | | | | | | | | | | | | | |
| 77 47 | .1 | 1.2 | 1.1 | 1.3 | 1.1 | .9 | .1 | .0 | | | | | | | | | | 377 | 393 | 338 | 150 | | | | | | | | | | | | | | |
| 47 47 | .1 | 1.4 | 1.6 | 1.2 | .8 | .2 | .1 | | | | | | | | | | | 414 | 432 | 381 | 226 | | | | | | | | | | | | | | |
| 47 43 | .2 | 2.0 | 1.9 | 1.5 | .6 | .2 | .0 | | | | | | | | | | | 452 | 474 | 473 | 224 | | | | | | | | | | | | | | |
| 27 41 | .3 | 2.2 | 2.3 | 1.4 | .8 | .1 | | | | | | | | | | | | 514 | 523 | 610 | 277 | | | | | | | | | | | | | | |
| 207 39 | .3 | 3.2 | 2.5 | 1.0 | .6 | .0 | | | | | | | | | | | | 549 | 561 | 552 | 418 | | | | | | | | | | | | | | |
| 37 37 | .3 | 2.9 | 2.2 | 1.2 | .2 | | | | | | | | | | | | | 458 | 467 | 627 | 424 | | | | | | | | | | | | | | |
| 77 35 | .3 | 2.5 | 2.3 | 1.3 | .2 | | | | | | | | | | | | | 456 | 471 | 508 | 559 | | | | | | | | | | | | | | |
| 37 33 | .2 | 3.1 | 1.6 | .6 | .1 | | | | | | | | | | | | | 398 | 403 | 506 | 497 | | | | | | | | | | | | | | |
| 27 31 | .3 | 3.5 | 1.8 | .6 | .0 | | | | | | | | | | | | | 438 | 439 | 504 | 757 | | | | | | | | | | | | | | |
| 77 29 | .3 | 2.0 | 1.1 | .1 | .0 | | | | | | | | | | | | | 246 | 246 | 447 | 500 | | | | | | | | | | | | | | |
| 77 27 | .2 | 1.5 | .6 | .1 | | | | | | | | | | | | | | 175 | 175 | 311 | 483 | | | | | | | | | | | | | | |
| 77 25 | .3 | 1.9 | .4 | .1 | | | | | | | | | | | | | | 165 | 165 | 257 | 473 | | | | | | | | | | | | | | |
| 237 23 | .2 | .6 | .2 | .0 | | | | | | | | | | | | | | 80 | 80 | 164 | 228 | | | | | | | | | | | | | | |
| 27 21 | .2 | .4 | .3 | | | | | | | | | | | | | | | 61 | 61 | 87 | 342 | | | | | | | | | | | | | | |
| 77 19 | .1 | .1 | .3 | | | | | | | | | | | | | | | 33 | 33 | 47 | 313 | | | | | | | | | | | | | | |
| Element (X) | ΣX ² | | | ΣX | | | Σ | | | Σ _s | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

A D E

MONTH

ALL

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE /MAC

PSYCHROMETRIC SUMMARY

74-227 WATER TOWN NY 74-83 MAY
STATION STATION NAME YEARS
PAGE 1 0000-0200
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|----------|----------|-----------|-----|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 74 / 77 | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | |
| 73 / 71 | | | | | | | | | | | | | | | | | | 3 | 3 | | | | | | |
| 72 / 59 | | | | | | | | | | | | | | | | | | 7 | 8 | | | | | | |
| 71 / 67 | | | 1.1 | .4 | .4 | .4 | | | | | | | | | | | | 15 | 17 | 1 | | | | | |
| 70 / 65 | | .4 | .5 | .5 | .5 | .5 | | | | | | | | | | | | 19 | 19 | 2 | | | | | |
| 69 / 63 | | .5 | .4 | 1.2 | 1.1 | .3 | .1 | | | | | | | | | | | 31 | 33 | 16 | 3 | | | | |
| 68 / 51 | .4 | 2.0 | 1.8 | 1.2 | .8 | .5 | .3 | | | | | | | | | | | 52 | 57 | 23 | 14 | | | | |
| 67 / 59 | .1 | 2.6 | 2.4 | .8 | .4 | .4 | | | | | | | | | | | | 50 | 52 | 43 | 24 | | | | |
| 66 / 57 | .5 | .5 | .7 | .3 | | | | | | | | | | | | | | 20 | 22 | 43 | 43 | | | | |
| 65 / 55 | | 2.1 | 1.5 | .8 | .3 | .4 | | | | | | | | | | | | 36 | 44 | 45 | 29 | | | | |
| 64 / 53 | .1 | 1.1 | 1.9 | .4 | | .3 | | | | | | | | | | | | 28 | 35 | 34 | 29 | | | | |
| 63 / 51 | .5 | 4.1 | 3.9 | 1.3 | .8 | .1 | | | | | | | | | | | | 31 | 35 | 34 | 39 | | | | |
| 62 / 49 | .3 | 4.5 | 2.8 | 1.3 | .4 | | | | | | | | | | | | | 75 | 82 | 67 | 47 | | | | |
| 61 / 47 | .1 | 4.7 | 2.7 | .7 | .3 | | | | | | | | | | | | | 63 | 65 | 71 | 61 | | | | |
| 60 / 45 | | 3.5 | 2.7 | 1.8 | | | | | | | | | | | | | | 59 | 65 | 65 | 64 | | | | |
| 59 / 43 | .1 | 4.1 | 2.4 | .9 | | | | | | | | | | | | | | 56 | 70 | 63 | 45 | | | | |
| 58 / 41 | .1 | 2.2 | 2.7 | .1 | | | | | | | | | | | | | | 33 | 49 | 63 | 63 | | | | |
| 57 / 39 | .3 | 3.4 | 1.3 | | | | | | | | | | | | | | | 37 | 45 | 54 | 53 | | | | |
| 56 / 37 | .1 | 2.2 | .3 | | | | | | | | | | | | | | | 24 | 32 | 45 | 37 | | | | |
| 55 / 35 | | 1.0 | .3 | .1 | | | | | | | | | | | | | | 17 | 19 | 26 | 61 | | | | |
| 54 / 33 | | .1 | | | | | | | | | | | | | | | | 9 | 9 | 16 | 41 | | | | |
| 53 / 31 | .7 | .4 | | | | | | | | | | | | | | | | 11 | 11 | 12 | 53 | | | | |
| 52 / 29 | .1 | .4 | .3 | | | | | | | | | | | | | | | 7 | 7 | 12 | 13 | | | | |
| 51 / 27 | | | | | | | | | | | | | | | | | | | | 3 | 9 | | | | |
| 50 / 25 | | | | | | | | | | | | | | | | | | | | | 1 | 7 | | | |
| 49 / 21 | | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 48 / 19 | | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| TOTAL | 4.2 | 41.3 | 31.4 | 12.6 | 6.6 | 3.4 | .3 | | | | | | | | | | | 741 | 631 | | 741 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ X ² | Σ X | X | C _n | No. Obs. | Mean No. of Hours with Temperature | | | | | | | Total | | | | | | | | | | | | |
| Rel. Hum. | 4764822 | 58648 | 79.1 | 12.893 | 741 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | | | | | | | |
| Dry Bulb | 2153774 | 41634 | 50.1 | 9.042 | 431 | | 2.0 | 3.2 | .1 | | | | 93 | | | | | | | | | | | | |
| Wet Bulb | 1698268 | 34930 | 47.2 | 8.359 | 741 | | 3.5 | .1 | | | | | 93 | | | | | | | | | | | | |
| Dew Point | 1483467 | 32463 | 43.8 | 9.099 | 741 | | 11.0 | | | | | | 93 | | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

14-227 WATER TOWN NY 74-83 MAY
STATION STATION NAME YEARS MONTH
PAGE 1 0800-0700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 7 / 81 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | | | | | |
| 7 / 69 | | | | .1 | .1 | | | | | | | | | | | | | 12 | 12 | | | | | | |
| 6 / 67 | | | .1 | .1 | .1 | | | | | | | | | | | | | 6 | 6 | | | | | | |
| 6 / 65 | | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 16 | 16 | 5 | | | | | |
| 4 / 6 | | .1 | .1 | .1 | .1 | 1.6 | | .4 | | | | | | | | | | 26 | 26 | 12 | 6 | | | | |
| 7 / 61 | .1 | 1.3 | 1.6 | .4 | .4 | .3 | | | | | | | | | | | | 72 | 26 | 18 | 7 | | | | |
| 7 / 59 | .1 | 1.4 | 2.2 | .5 | .5 | .4 | .1 | | | | | | | | | | | 45 | 52 | 28 | 17 | | | | |
| 7 / 57 | .9 | 1.4 | 1.0 | .1 | .1 | .4 | | | | | | | | | | | | 71 | 35 | 52 | 30 | | | | |
| 5 / 55 | .6 | 2.1 | 1.8 | .1 | .1 | | | | | | | | | | | | | 37 | 39 | 35 | 41 | | | | |
| 4 / 53 | .6 | 1.8 | 1.7 | .4 | .1 | .1 | | | | | | | | | | | | 37 | 41 | 41 | 42 | | | | |
| 2 / 51 | .3 | 2.1 | 2.4 | .6 | .1 | .3 | | | | | | | | | | | | 60 | 65 | 39 | 29 | | | | |
| 5 / 47 | 1.2 | 4.4 | 1.6 | .5 | .4 | .1 | | | | | | | | | | | | 63 | 64 | 57 | 56 | | | | |
| 4 / 47 | | 4.9 | 1.7 | 1.4 | | | | | | | | | | | | | | 62 | 69 | 67 | 39 | | | | |
| 4 / 45 | .1 | 4.5 | 1.3 | .4 | | | | | | | | | | | | | | 63 | 69 | 63 | 72 | | | | |
| 4 / 43 | .4 | 4.4 | 2.2 | .6 | | | | | | | | | | | | | | 60 | 72 | 56 | 52 | | | | |
| 2 / 41 | .4 | 3.6 | 2.6 | .8 | | | | | | | | | | | | | | 57 | 65 | 63 | 46 | | | | |
| 4 / 37 | .9 | 2.7 | 2.6 | .1 | | | | | | | | | | | | | | 49 | 62 | 54 | 65 | | | | |
| 3 / 37 | .5 | 3.5 | 1.2 | | | | | | | | | | | | | | | 40 | 46 | 48 | 48 | | | | |
| 3 / 35 | | 3.2 | .4 | .1 | | | | | | | | | | | | | | 29 | 30 | 54 | 50 | | | | |
| 3 / 33 | .3 | 1.4 | .5 | .1 | | | | | | | | | | | | | | 19 | 19 | 26 | 42 | | | | |
| 2 / 31 | .5 | .4 | .1 | | | | | | | | | | | | | | | 12 | 12 | 22 | 71 | | | | |
| 2 / 29 | 1.4 | .6 | .4 | | | | | | | | | | | | | | | 19 | 19 | 21 | 22 | | | | |
| 2 / 27 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 5 | 15 | | | | |
| 2 / 25 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 4 | 5 | | | | |
| 2 / 23 | | | | | | | | | | | | | | | | | | | | | 6 | | | | |
| 2 / 21 | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 2 / 19 | | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| 1 / 17 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 1 / 15 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| TOTAL | 9.1 | 47.8 | 27.5 | 8.4 | 5.1 | 1.6 | .5 | | | | | | | | | | | 770 | 860 | 770 | | | | | |
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CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

74-027 WATERLOO, NY
STATION

74-83
STATION NAME

YEARS

MAY

MONTH

PAGE 1

0600-JF00
HOURS (L. S. Y.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|-------|------|------|------|--------|-------|-------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-----------|----------|----------|-----------|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 77 | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | 3 | 3 | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | 14 | 14 | | | | | | |
| 69 | | | | | | | | | | | | | | | | | | 75 | 21 | 3 | | | | | |
| 67 | | | | | | | | | | | | | | | | | | 10 | 25 | 12 | 3 | | | | |
| 65 | | | | | | | | | | | | | | | | | | 75 | 34 | 14 | 10 | | | | |
| 63 | | | | | | | | | | | | | | | | | | 41 | 46 | 25 | 15 | | | | |
| 61 | | | | | | | | | | | | | | | | | | 50 | 57 | 42 | 18 | | | | |
| 59 | | | | | | | | | | | | | | | | | | 55 | 59 | 43 | 30 | | | | |
| 57 | | | | | | | | | | | | | | | | | | 62 | 54 | 44 | 40 | | | | |
| 55 | | | | | | | | | | | | | | | | | | 54 | 57 | 53 | 51 | | | | |
| 53 | | | | | | | | | | | | | | | | | | 63 | 67 | 52 | 36 | | | | |
| 51 | | | | | | | | | | | | | | | | | | 74 | 71 | 61 | 50 | | | | |
| 47 | | | | | | | | | | | | | | | | | | 73 | 70 | 60 | 57 | | | | |
| 45 | | | | | | | | | | | | | | | | | | 47 | 53 | 94 | 48 | | | | |
| 43 | | | | | | | | | | | | | | | | | | 59 | 77 | 75 | 68 | | | | |
| 41 | | | | | | | | | | | | | | | | | | 56 | 63 | 60 | 56 | | | | |
| 39 | | | | | | | | | | | | | | | | | | 40 | 47 | 66 | 71 | | | | |
| 37 | | | | | | | | | | | | | | | | | | 18 | 27 | 37 | 62 | | | | |
| 35 | | | | | | | | | | | | | | | | | | 27 | 28 | 32 | 48 | | | | |
| 33 | | | | | | | | | | | | | | | | | | 15 | 17 | 31 | 40 | | | | |
| 31 | | | | | | | | | | | | | | | | | | 3 | 3 | 12 | 36 | | | | |
| 29 | | | | | | | | | | | | | | | | | | 7 | 7 | 6 | 35 | | | | |
| 27 | | | | | | | | | | | | | | | | | | 3 | 3 | 9 | 19 | | | | |
| 25 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 8 | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | 1 | 5 | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| TOTAL | 4.4 | 32.3 | 30.5 | 17.1 | 9.9 | 5.0 | .4 | .4 | .1 | | | | | | | | | 837 | 927 | 837 | 837 | | | | |
| Element (X) | Σx ² | | Σx | | Σ | | Σ | | Σ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | Total | | | | | | |
| Rel. Hum. | 5085116 | | 64252 | | 76.8 | | 13.521 | | 837 | | ≥ 0 F | | ≥ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | |
| Dry Bulb | 2650213 | | 48787 | | 52.6 | | 9.445 | | 927 | | | | 1.1 | | 7.5 | | 1.4 | | | | | | 93 | | |
| Wet Bulb | 2078433 | | 41083 | | 49.1 | | 8.607 | | 837 | | | | 2.1 | | 1.7 | | | | | | | | 93 | | |
| Dew Point | 1795999 | | 37951 | | 45.3 | | 9.487 | | 837 | | | | 8.3 | | .3 | | | | | | | | 93 | | |

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
4000 SATCON SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION 74-83 STATION NAME IERIGN NY YEARS MAY MONTH
PAGE 1 0900-1100 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------------|--------------|--------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 7 / 77 | | | | | .4 | .4 | 1.3 | | | .1 | | | | | | | | 19 | 19 | | | | | | |
| 7 / 77 | | | | | .7 | .8 | 1.1 | .2 | | .1 | | | | | | | | 19 | 20 | | | | | | |
| 7 / 75 | | | | | .7 | .8 | 1.1 | .2 | | .1 | | | | | | | | 23 | 23 | | | | | | |
| 4 / 77 | | | .2 | .4 | .9 | .9 | .4 | .2 | | .1 | | | | | | | | 29 | 32 | | | | | | |
| 7 / 71 | | | .7 | .6 | 1.1 | 1.1 | .3 | .7 | .2 | | | | | | | | | 37 | 41 | 8 | | | | | |
| 7 / 69 | | .2 | .6 | 1.1 | 1.1 | .1 | .4 | .5 | .1 | .1 | | | | | | | | 41 | 46 | 21 | 1 | | | | |
| 7 / 67 | | .1 | 1.1 | .8 | 1.1 | .7 | .8 | .5 | .5 | | | | | | | | | 47 | 53 | 34 | 14 | | | | |
| 6 / 65 | | .9 | 1.1 | 1.6 | 1.2 | .7 | 1.1 | .7 | | | | | | | | | | 59 | 65 | 35 | 20 | | | | |
| 4 / 6 | .1 | .4 | 1.1 | 1.3 | 1.4 | 1.1 | .8 | .5 | | | | | | | | | | 64 | 66 | 40 | 20 | | | | |
| 7 / 51 | | .5 | 1.3 | 1.7 | 1.3 | 1.1 | 1.4 | .9 | | | | | | | | | | 65 | 76 | 46 | 40 | | | | |
| 7 / 50 | .1 | .7 | 1.1 | 2.2 | .9 | 1.7 | 1.1 | .4 | | | | | | | | | | 67 | 76 | 55 | 39 | | | | |
| 7 / 47 | | 1.7 | 1.2 | 1.6 | 1.1 | 1.2 | .4 | | | | | | | | | | | 59 | 61 | 66 | 38 | | | | |
| 5 / 45 | | .8 | 1.3 | 1.8 | 1.9 | .7 | .8 | | | | | | | | | | | 64 | 67 | 53 | 54 | | | | |
| 4 / 53 | | 1.7 | 2.3 | 2.0 | .6 | .9 | .1 | | | | | | | | | | | 57 | 61 | 80 | 44 | | | | |
| 2 / 51 | | 1.2 | 1.7 | 1.3 | .8 | .5 | | | | | | | | | | | | 48 | 53 | 72 | 49 | | | | |
| 3 / 49 | | 1.4 | .6 | .6 | 1.0 | .1 | .2 | | | | | | | | | | | 33 | 36 | 85 | 60 | | | | |
| 4 / 47 | | .7 | .7 | .6 | 1.2 | .2 | .1 | | | | | | | | | | | 70 | 37 | 72 | 58 | | | | |
| 4 / 45 | | 1.4 | 1.0 | .8 | .1 | | | | | | | | | | | | | 28 | 35 | 39 | 64 | | | | |
| 4 / 43 | .1 | .8 | .6 | 1.3 | | .1 | | | | | | | | | | | | 25 | 34 | 41 | 49 | | | | |
| 6 / 41 | .2 | .1 | .7 | .7 | | .1 | | | | | | | | | | | | 16 | 19 | 30 | 53 | | | | |
| 8 / 35 | | | .2 | | | | | | | | | | | | | | | 2 | 5 | 29 | 47 | | | | |
| 7 / 37 | | .4 | | .2 | | | | | | | | | | | | | | 5 | 7 | 16 | 51 | | | | |
| 7 / 35 | | | | .1 | | | | | | | | | | | | | | 1 | 2 | 10 | 31 | | | | |
| 3 / 33 | | | | | | | | | | | | | | | | | | | | 1 | 23 | | | | |
| 2 / 31 | | | | | | | | | | | | | | | | | | | | 4 | 34 | | | | |
| 7 / 25 | | | | | | | | | | | | | | | | | | | | | 24 | | | | |
| 7 / 27 | | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| 7 / 25 | | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| 2 / 21 | | | | | | | | | | | | | | | | | | | | | 3 | | | | |
| 7 / 17 | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 1 / 17 | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 1 / 13 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| TOTAL | .8 | 12.9 | 17.9 | 22.2 | 17.3 | 13.7 | 10.5 | 3.5 | .7 | 1.0 | | | | | | | | 837 | 930 | | 837 | | | | |
| Element (X) | Σx^1 | Σx | Σx^2 | Σx^3 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | |
| Rel. Hum. | 3723691 | 54213 | 64.815 | 935 | 837 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | 93 | | | | | | | | | | | | | |
| Dry Bulb | 3389838 | 55418 | 59.6 | 9.708 | 930 | | | 23.2 | 9.3 | .3 | | 93 | | | | | | | | | | | | | |
| Wet Bulb | 2465377 | 44681 | 53.4 | 8.487 | 837 | | | .4 | 7.3 | | | 93 | | | | | | | | | | | | | |
| Dew Point | 1961938 | 39575 | 47.3 | 10.403 | 837 | | | 8.6 | 1.7 | | | 93 | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|-----|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | =31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 1 | | | 1.9 | 11.8 | 15.7 | 16.4 | 19.0 | 13.1 | 7.4 | 5.2 | 1.9 | .6 | | | | | | | 839 | 93 | 839 | 839 |
| | | | | | | | | | | | | | | | | | | | | | | |
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JSAFETAC
FORM
NA 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
WATC/TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

74-227 WATERTOWN NY 74-83 MAY
STATION STATION NAME YEARS MONTH
PAGE 1 1570-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|--|----|----|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | | |
| 57/80 | | | | | | | .1 | | .1 | | | | | | | | | 2 | | | | | | | | | | | | | | 2 | | | | | |
| 58/81 | | | | | | | .1 | .1 | .2 | .2 | | | | | | | | 8 | | | | | | | | | | | | | | 8 | | | | | |
| 59/82 | | | | | | | .3 | .7 | .2 | .2 | | | | | | | | 20 | | | | | | | | | | | | | | 20 | | | | | |
| 60/83 | | | | | .2 | 1.0 | .8 | 1.0 | .2 | .5 | | | | | | | | 36 | | | | | | | | | | | | | | 36 | | | | | |
| 61/84 | | | | .1 | .1 | 1.1 | 1.2 | .2 | .5 | .1 | .1 | | | | | | | 29 | | | | | | | | | | | | | | 29 | | | | | |
| 62/85 | | | | .3 | 1.1 | 1.2 | .6 | .8 | .2 | .4 | .1 | | | | | | | 42 | | | | | | | | | | | | | | 44 | | | | | |
| 63/86 | | | .1 | .4 | .6 | 1.0 | 1.0 | .4 | 1.4 | .5 | | | | | | | | 44 | | | | | | | | | | | | | | 53 | | 4 | | | |
| 64/87 | | | .1 | .1 | 1.1 | 1.1 | .5 | 1.6 | 1.4 | .8 | .6 | | | | | | | 61 | | | | | | | | | | | | | | 63 | 14 | | | | |
| 65/88 | | .1 | .1 | .4 | 1.1 | .8 | 1.4 | .4 | 1.2 | .4 | .1 | | | | | | | 63 | | | | | | | | | | | | | | 59 | 29 | 1 | | | |
| 66/89 | | .1 | .4 | .7 | 1.6 | 1.2 | .2 | .4 | .9 | .5 | | | | | | | | 49 | | | | | | | | | | | | | | 52 | 42 | 17 | | | |
| 67/90 | | .4 | .1 | 1.2 | 1.8 | .9 | 1.7 | .6 | .5 | | | | | | | | | 58 | | | | | | | | | | | | | | 65 | 50 | 22 | | | |
| 68/91 | | .4 | .1 | .3 | .8 | 1.4 | 1.3 | 1.2 | .1 | | | | | | | | | 62 | | | | | | | | | | | | | | 68 | 47 | 31 | | | |
| 69/92 | | .8 | 1.1 | 1.0 | 1.4 | .7 | 1.2 | .2 | | | | | | | | | | 51 | | | | | | | | | | | | | | 55 | 40 | 34 | | | |
| 70/93 | | 1.0 | .3 | 1.6 | .9 | 1.3 | 1.4 | .1 | | | | | | | | | | 63 | | | | | | | | | | | | | | 59 | 69 | 46 | | | |
| 71/94 | .1 | .4 | .5 | 1.0 | 1.3 | 1.4 | .6 | .4 | | | | | | | | | | 52 | | | | | | | | | | | | | | 52 | 87 | 40 | | | |
| 72/95 | | 1.0 | 1.4 | 1.0 | .2 | 1.0 | .2 | .2 | | | | | | | | | | 42 | | | | | | | | | | | | | | 40 | 58 | 50 | | | |
| 73/96 | | .8 | .7 | 1.2 | .7 | .9 | .4 | | | | | | | | | | | 36 | | | | | | | | | | | | | | 41 | 73 | 35 | | | |
| 74/97 | .1 | 1.0 | 1.1 | .7 | 1.2 | .4 | .4 | | | | | | | | | | | 46 | | | | | | | | | | | | | | 52 | 64 | 60 | | | |
| 75/98 | .1 | .1 | .1 | .5 | 1.1 | .4 | | | | | | | | | | | | 29 | | | | | | | | | | | | | | 37 | 70 | 58 | | | |
| 76/99 | | 1.0 | .4 | 1.1 | .8 | .1 | | | | | | | | | | | | 26 | | | | | | | | | | | | | | 32 | 62 | 65 | | | |
| 77/00 | | 1.2 | .2 | .6 | .1 | | | | | | | | | | | | | 18 | | | | | | | | | | | | | | 27 | 37 | 52 | | | |
| 78/01 | | .2 | .2 | .4 | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | 15 | 41 | 53 | | | |
| 79/02 | | .1 | .1 | .2 | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | 5 | 21 | 49 | | | |
| 80/03 | | .5 | .5 | | | | | | | | | | | | | | | 9 | | | | | | | | | | | | | | 15 | 20 | 45 | | | |
| 81/04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 38 | | |
| 82/05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 44 | | |
| 83/06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 41 | | |
| 84/07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | | |
| 85/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | | |
| 86/09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 87/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | |
| 88/11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 89/12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ^2 | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MAY
MONTH

[illegible]

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

7-227 APTERTOWN NY

STATION

STATION NAME

74-83

PSYCHROMETRIC SUMMARY

YEARS

! 2 Y

MONTH

PAGE 1

1830-2000

HOURS (L, S, T.)

[illegible]

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

74-027 AIRTOWN NY 74-83 YEARS MAY MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|------|-------|------|------------|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------------------|-------|-------|-----|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 47 / 77 | | | | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | | | |
| 47 / 71 | | | | .1 | .4 | .4 | | | | | | | | | | | | | | 7 | 7 | | | |
| 47 / 69 | | | | .3 | .1 | .4 | .3 | .4 | | | | | | | | | | | | 15 | 18 | | | |
| 47 / 67 | | | .1 | .7 | 1.0 | .3 | .4 | | | | | | | | | | | | | 13 | 27 | 1 | | |
| 47 / 65 | | | 1.4 | 1.4 | 1.7 | .8 | .1 | | | | | | | | | | | | | 43 | 45 | 13 | 3 | |
| 47 / 63 | .1 | 1.9 | 2.4 | 1.8 | .8 | .7 | .4 | .4 | | | | | | | | | | | | 66 | 66 | 22 | 13 | |
| 47 / 61 | .1 | 2.4 | 1.7 | .5 | .4 | .4 | | | | | | | | | | | | | | 43 | 47 | 47 | 24 | |
| 47 / 59 | .1 | 2.1 | 1.4 | .4 | .6 | .1 | .1 | | | | | | | | | | | | | 36 | 43 | 58 | 38 | |
| 47 / 57 | | 1.2 | 1.2 | .5 | 1.7 | .8 | .1 | | | | | | | | | | | | | 37 | 43 | 50 | 49 | |
| 47 / 55 | | 1.4 | 2.1 | 1.5 | .5 | .1 | | | | | | | | | | | | | | 50 | 55 | 31 | 40 | |
| 47 / 53 | | 3.1 | 3.7 | 2.1 | .3 | .5 | | | | | | | | | | | | | | 74 | 70 | 37 | 28 | |
| 47 / 51 | .1 | 2.6 | 3.1 | 1.4 | .9 | .3 | | | | | | | | | | | | | | 64 | 67 | 70 | 44 | |
| 47 / 49 | | 3.7 | 2.7 | 1.3 | 1.4 | | | | | | | | | | | | | | | 67 | 72 | 74 | 58 | |
| 47 / 47 | .3 | 3.5 | 3.1 | 2.3 | .9 | | | | | | | | | | | | | | | 76 | 78 | 69 | 59 | |
| 47 / 45 | .1 | 3.2 | 2.3 | .8 | .1 | | | | | | | | | | | | | | | 42 | 67 | 60 | 63 | |
| 47 / 43 | .4 | 2.1 | 1.5 | .9 | | | | | | | | | | | | | | | | 37 | 50 | 76 | 48 | |
| 47 / 41 | .1 | 1.3 | 2.7 | .3 | | | | | | | | | | | | | | | | 38 | 45 | 62 | 67 | |
| 40 / 39 | | 1.4 | 2.1 | .3 | | | | | | | | | | | | | | | | 29 | 35 | 43 | 47 | |
| 37 / 37 | | .4 | 1.4 | .3 | | | | | | | | | | | | | | | | 16 | 17 | 29 | 32 | |
| 37 / 35 | | .3 | | .1 | | | | | | | | | | | | | | | | 3 | 3 | 21 | 67 | |
| 37 / 33 | | .4 | | | | | | | | | | | | | | | | | | 4 | 5 | 11 | 39 | |
| 27 / 31 | | | | | | | | | | | | | | | | | | | | | | 4 | 39 | |
| 27 / 29 | | | | | | | | | | | | | | | | | | | | | | | 1 | 9 |
| 27 / 27 | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| 27 / 25 | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 27 / 23 | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 27 / 21 | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 27 / 19 | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 1.4 | 32.3 | 35.0 | 17.8 | 8.2 | 3.7 | 1.0 | .4 | | | | | | | | | | | | | 779 | 869 | 779 | 779 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σx ¹ | | Σx | | Σ | | Σ _n | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | 4668835 | | 59445 | | 76.313.056 | | 779 | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | 2403201 | | 45945 | | 52.9 | | 8.589 | | 869 | | | | | | 5.0 | | .2 | | | | | | 97 | |
| Wet Bulb | 1949403 | | 38457 | | 49.4 | | 8.088 | | 779 | | | | | | .6 | | .1 | | | | | | 97 | |
| Dew Point | 1684261 | | 35497 | | 45.8 | | 9.263 | | 779 | | | | 7.2 | | | | | | | | | | 97 | |

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 64
USAFETAC

PSYCHROMETRIC SUMMARY

75-227 JATRTOWN NY

74-83

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

All

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

227
STATION

WATERTOWN NY

74-83

YEARS

53 Y

MONTH

PLATE 1

314

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 1 / 17 | | | | | | | | | | | | | | | | | | | | | 3 |
| 1 / 1 | | | | | | | | | | | | | | | | | | | | | 3 |
| 1 / 13 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 2.1 | 24.4 | 23.1 | 16.3 | 12.1 | 9.7 | 6.1 | 3.2 | 1.8 | .9 | .1 | | | | | | | | 7206 | | 6481 |
| | | | | | | | | | | | | | | | | | | 6481 | | 6481 | |
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PSYCHROMETRIC SUMMARY

227

-ALERTOWN NY

74-23

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STATION

STATION NAME

YEARS

PAGE 1

MONTH

0000-0200

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 7 / 77 | | | .1 | .4 | | | | | | | | | | | | | | 4 | | | | | | |
| 8 / 75 | | | .4 | .1 | | .5 | | | | | | | | | | | | 5 | | | | | | |
| 9 / 73 | | | .3 | .7 | | .1 | | .1 | | | | | | | | | | 13 | 16 | 2 | | | | |
| 10 / 71 | | .1 | .4 | .7 | .8 | .1 | | | | | | | | | | | | 20 | 27 | 8 | | | | |
| 11 / 69 | | .1 | .3 | 1.1 | .9 | | .1 | | | | | | | | | | | 22 | 25 | 7 | | | | |
| 12 / 67 | | 1.1 | 2.1 | 1.9 | .9 | .4 | | | | | | | | | | | | 45 | 49 | 13 | | | | |
| 13 / 65 | | 1.9 | .9 | 1.8 | .4 | .3 | | | | | | | | | | | | 37 | 44 | 29 | | | | |
| 14 / 63 | .7 | 2.7 | 1.8 | 1.2 | .4 | .4 | | | | | | | | | | | | 57 | 51 | 49 | | | | |
| 15 / 61 | .7 | 4.6 | 2.4 | 1.6 | .4 | .1 | | | | | | | | | | | | 73 | 79 | 52 | | | | |
| 16 / 59 | 1.2 | 2.4 | 3.9 | .8 | | .4 | | | | | | | | | | | | 71 | 74 | 79 | | | | |
| 17 / 57 | .9 | 4.0 | 2.6 | .9 | .3 | | | | | | | | | | | | | 62 | 67 | 71 | | | | |
| 18 / 55 | .4 | 2.1 | 2.8 | .9 | .1 | | | | | | | | | | | | | 54 | 63 | 81 | | | | |
| 19 / 53 | .9 | 4.7 | 2.3 | .4 | .3 | | | | | | | | | | | | | 58 | 62 | 46 | | | | |
| 20 / 51 | .1 | 3.1 | 2.9 | | | .1 | | | | | | | | | | | | 46 | 47 | 63 | | | | |
| 21 / 49 | .3 | 3.8 | 2.4 | .3 | .1 | | | | | | | | | | | | | 71 | 53 | 56 | | | | |
| 22 / 47 | .4 | 3.4 | 1.2 | | | | | | | | | | | | | | | 37 | 39 | 51 | | | | |
| 23 / 45 | .9 | 3.8 | .7 | | | | | | | | | | | | | | | 39 | 43 | 53 | | | | |
| 24 / 43 | .3 | 1.9 | .8 | | | | | | | | | | | | | | | 22 | 24 | 37 | | | | |
| 25 / 41 | .1 | 1.2 | .9 | | | | | | | | | | | | | | | 14 | 16 | 22 | | | | |
| 26 / 39 | .3 | .1 | .1 | | | | | | | | | | | | | | | 6 | 8 | 13 | | | | |
| 27 / 37 | .1 | .1 | .1 | | | | | | | | | | | | | | | 3 | 3 | 6 | | | | |
| 28 / 35 | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 29 / 33 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 / 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 / 29 | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 6.7 | 42.2 | 30.3 | 12.7 | 5.1 | 2.6 | .1 | .1 | | | | | | | | | | 742 | FCP | 742 | | | | |
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PSYCHROMETRIC SUMMARY

227

WATERTOWN NY

74-83

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STATION

STATION NAME

YEARS

MONTH

PAGE 1

2620-4820

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-83

JUN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MONTH

127E-14.5

HOURS (L, S, T,)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 7 / 87 | | | | | | | | | | | | .1 | | | | | | 3 | 3 | | | | | |
| 67 / 87 | | | | | | | .1 | .2 | .1 | .1 | | .1 | .1 | | | | | 7 | 7 | | | | | |
| 57 / 85 | | | | | | | .2 | .5 | .2 | .1 | .2 | .1 | | | | | | 18 | 27 | | | | | |
| 47 / 82 | | | | .4 | .7 | .4 | 1.2 | .8 | .8 | .1 | .4 | | | | | | | 40 | 44 | | | | | |
| 37 / 81 | | | | .6 | .9 | 1.2 | .8 | 1.0 | .9 | | .4 | | | | | | | 41 | 44 | | | | | |
| 27 / 79 | | | .1 | .1 | .4 | 1.4 | 1.2 | .6 | .5 | .8 | .4 | | | | | | | 46 | 54 | 2 | | | | |
| 17 / 77 | | | .2 | .4 | 1.4 | 1.1 | 1.7 | 1.1 | .7 | 1.0 | .1 | | | | | | | 69 | 74 | 5 | 2 | | | |
| 6 / 75 | | | .3 | 1.1 | 1.2 | 1.3 | 1.2 | 1.3 | .9 | .1 | .1 | | | | | | | 65 | 73 | 19 | 3 | | | |
| 47 / 74 | | | .3 | 1.4 | 1.0 | 2.3 | 2.3 | .8 | .5 | | .1 | | | | | | | 75 | 84 | 22 | 5 | | | |
| 36 / 71 | | | 1.4 | 1.4 | 1.7 | 2.8 | 1.2 | .4 | .2 | | | | | | | | | 76 | 76 | 43 | 12 | | | |
| 27 / 69 | | | 2.4 | 1.3 | 1.7 | 1.4 | .7 | .5 | | | | | | | | | | 69 | 70 | 58 | 16 | | | |
| 17 / 67 | | .6 | 1.4 | 1.3 | 1.4 | 1.7 | .6 | .4 | .4 | | | | | | | | | 60 | 65 | 80 | 39 | | | |
| 67 / 65 | | 1.2 | 2.3 | 1.6 | 3.0 | 1.4 | 1.0 | .5 | | | | | | | | | | 63 | 64 | 83 | 52 | | | |
| 47 / 62 | .1 | .6 | .8 | 1.0 | 1.6 | 1.1 | .4 | | | | | | | | | | | 48 | 54 | 101 | 71 | | | |
| 37 / 61 | | 1.0 | 1.1 | 1.1 | 1.3 | 1.0 | .1 | | | | | | | | | | | 46 | 47 | 119 | 64 | | | |
| 27 / 59 | .1 | .4 | 1.2 | .4 | .4 | .7 | .1 | | | | | | | | | | | 77 | 27 | 76 | 77 | | | |
| 17 / 57 | | .9 | 1.2 | .4 | .8 | .4 | | | | | | | | | | | | 28 | 29 | 60 | 71 | | | |
| 5 / 55 | | .6 | 1.2 | .2 | .1 | | | | | | | | | | | | | 16 | 16 | 63 | 80 | | | |
| 47 / 53 | | .9 | .4 | .4 | | | | | | | | | | | | | | 12 | 17 | 44 | 71 | | | |
| 37 / 51 | | | .1 | .2 | | | | | | | | | | | | | | 2 | 2 | 34 | 63 | | | |
| 27 / 47 | | | | | | | | | | | | | | | | | | 1 | 1 | 5 | 49 | | | |
| 17 / 45 | | | | | | | | | | | | | | | | | | | | 3 | 35 | | | |
| 4 / 43 | | | | | | | | | | | | | | | | | | | | | 24 | | | |
| 27 / 41 | | | | | | | | | | | | | | | | | | | | | 23 | | | |
| 4 / 39 | | | | | | | | | | | | | | | | | | | | | 9 | | | |
| 3 / 37 | | | | | | | | | | | | | | | | | | | | | 7 | | | |
| TOTAL | .2 | .6 | 15.7 | 13.7 | 16.1 | 18.9 | 12.6 | 8.2 | 4.4 | 2.3 | 1.9 | .4 | .1 | | | | | 834 | 897 | 634 | 634 | | | |

| Element (X) | Σx' | Σx | X | σ _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 347636 | 51763 | 62.1 | 15.247 | 834 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | 450879 | 63765 | 71.1 | 8.747 | 897 | | | 62.5 | 40.2 | 15.2 | | 90 |
| Wet Bulb | 327697 | 52001 | 62.4 | 6.444 | 834 | | | 24.5 | 5.0 | | | 97 |
| Dew Point | 276773 | 47053 | 56.4 | 7.910 | 834 | | | 9.0 | 1.1 | | | 97 |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-S (OLA)

WFO

USAFETAC

PSYCHROMETRIC SUMMARY

227
STATION

ALBANY, NY

74-93

YEARS

MONTH

1955

1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

42

MONTH

1934-2001

HOURS (1, 5, 7,)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 7 / 80 | | | | | | | | .1 | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | |
| 7 / 79 | | | | | | .4 | | | .1 | | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | |
| 7 / 78 | | | | | | | .1 | | | .4 | .1 | | | | | | | 5 | 5 | | | | | | | | | | | | | | | |
| 7 / 77 | | | | .1 | .1 | .2 | .1 | .2 | .2 | | | | | | | | | 12 | 13 | | | | | | | | | | | | | | | |
| 7 / 76 | | | .1 | .4 | .5 | .7 | .8 | 1.0 | .2 | .1 | .1 | | | | | | | 13 | 30 | | | | | | | | | | | | | | | |
| 7 / 75 | | | .1 | .7 | 1.3 | 1.0 | 1.0 | 1.0 | .1 | .2 | | | | | | | | 45 | 50 | | | | | | | | | | | | | | | |
| 7 / 74 | | | .1 | 1.1 | 1.4 | 1.3 | .9 | .2 | | | | | | | | | | 43 | 44 | 8 | | | | | | | | | | | | | | |
| 7 / 73 | | .3 | .6 | 1.2 | 1.0 | 1.7 | 1.4 | .5 | .8 | | .1 | | | | | | | 43 | 62 | 8 | 4 | | | | | | | | | | | | | |
| 7 / 72 | | .1 | 1.7 | 1.6 | 1.3 | 1.6 | .8 | .2 | .1 | | | | | | | | | 40 | 54 | 24 | 11 | | | | | | | | | | | | | |
| 7 / 71 | | .7 | 1.7 | 1.2 | 2.6 | 1.4 | .6 | .5 | | | | | | | | | | 74 | 82 | 41 | 14 | | | | | | | | | | | | | |
| 7 / 70 | | .5 | 2.2 | 1.4 | 2.0 | 1.3 | 1.3 | .1 | | | | | | | | | | 69 | 75 | 57 | 37 | | | | | | | | | | | | | |
| 7 / 69 | | .1 | 2.3 | 1.7 | 2.7 | 1.7 | 1.4 | .2 | .1 | | | | | | | | | 68 | 67 | 93 | 43 | | | | | | | | | | | | | |
| 7 / 68 | | .1 | 1.7 | 1.3 | 2.7 | 1.9 | .9 | .2 | | | | | | | | | | 74 | 83 | 60 | 93 | | | | | | | | | | | | | |
| 7 / 67 | | | 1.9 | 2.3 | 1.7 | 1.4 | .9 | .4 | .1 | | | | | | | | | 72 | 79 | 86 | 65 | | | | | | | | | | | | | |
| 7 / 66 | | | 1.7 | 1.9 | 2.6 | 1.0 | .9 | .1 | | | | | | | | | | 74 | 71 | 104 | 83 | | | | | | | | | | | | | |
| 7 / 65 | | | 1.3 | 1.7 | 1.0 | .7 | .1 | | | | | | | | | | | 71 | 69 | 93 | 70 | | | | | | | | | | | | | |
| 7 / 64 | | .8 | 1.3 | 1.2 | .4 | .1 | | | | | | | | | | | | 72 | 64 | 75 | 102 | | | | | | | | | | | | | |
| 7 / 63 | | .8 | 1.7 | .9 | .2 | | | | | | | | | | | | | 71 | 61 | 53 | 74 | | | | | | | | | | | | | |
| 7 / 62 | | .4 | 1.4 | .4 | | | | | | | | | | | | | | 16 | 17 | 43 | 70 | | | | | | | | | | | | | |
| 7 / 61 | .1 | .4 | .1 | .7 | | | | | | | | | | | | | | 10 | 10 | 36 | 49 | | | | | | | | | | | | | |
| 7 / 60 | .1 | .4 | .1 | | | | | | | | | | | | | | | 5 | 5 | 20 | 61 | | | | | | | | | | | | | |
| 7 / 59 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 6 | 42 | | | | | | | | | | | | | |
| 7 / 58 | | | | | | | | | | | | | | | | | | 1 | 1 | 8 | 20 | | | | | | | | | | | | | |
| 7 / 57 | | | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | |
| 7 / 56 | | | | | | | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | | |
| 7 / 55 | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | |
| 7 / 54 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| 7 / 53 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| 7 / 52 | .4 | 13.4 | 20.4 | 21.1 | 17.2 | 13.1 | 7.3 | 3.9 | 1.7 | 1.2 | .4 | | | | | | | 837 | 5.7 | 637 | 937 | | | | | | | | | | | | | |
| 7 / 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 / 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 / 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 / 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-83

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STATION

STATION NAME

YEARS

MONTH

PAGE 1

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HOURS (L - S - T.)

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PSYCHROMETRIC SUMMARY

227
STATION

ALBANY, NY

74-A2

MONTH

PAGE 1

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HOURS (L. S. T.)

[illegible]

17 227 ALERTON NY
STATION

PSYCHROMETRIC SUMMARY

74-83

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PAGE :

0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

227
STATION

ALERTOWN NY

74-83

YEARS

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0600-0900
HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

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MONTH

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USAFETAC
FORM 0-26-5 (OLA)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JUL
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

100-227 WATERLOO NY

74-83

414

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1870-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

2100-2300
HOURS (L. S. T.)

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OLA)

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USAFETAC

PSYCHROMETRIC SUMMARY

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WATERTOWN NY

74-83

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YEARS

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HOURS (L, S, T.)

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PSYCHROMETRIC SUMMARY

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HOURS (L. S. T.)

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FROM

USAFETAC

PSYCHROMETRIC SUMMARY

WATERTOWN NY

74-83

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | +31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 77 / 81 | | | | .1 | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | |
| 77 / 79 | | | | .1 | .2 | | | | | | | | | | | | | 2 | 9 | | | | | | | | | | | | | | | |
| 77 / 77 | | | .3 | .2 | .7 | .1 | | | | | | | | | | | | 12 | 12 | | | | | | | | | | | | | | | |
| 76 / 75 | .1 | .5 | .3 | .9 | .3 | | | | | | | | | | | | | 24 | 24 | 5 | 1 | | | | | | | | | | | | | |
| 74 / 73 | | 1.0 | 2.1 | 1.4 | .1 | .3 | | | | | | | | | | | | 45 | 46 | 16 | 4 | | | | | | | | | | | | | |
| 71 / 71 | .1 | 1.3 | 4.3 | 1.3 | .2 | .3 | | | | | | | | | | | | 59 | 70 | 28 | 21 | | | | | | | | | | | | | |
| 67 / 69 | .3 | 2.5 | 6.1 | 1.5 | .9 | | | | | | | | | | | | | 104 | 107 | 60 | 30 | | | | | | | | | | | | | |
| 67 / 67 | .3 | 2.7 | 4.0 | 2.1 | .8 | .1 | | | | | | | | | | | | 96 | 97 | 94 | 76 | | | | | | | | | | | | | |
| 67 / 65 | .7 | 3.3 | 3.2 | 1.4 | .2 | | | | | | | | | | | | | 80 | 81 | 91 | 82 | | | | | | | | | | | | | |
| 64 / 63 | .4 | 5.7 | 2.5 | 1.3 | .1 | | | | | | | | | | | | | 86 | 83 | 94 | 64 | | | | | | | | | | | | | |
| 61 / 61 | .9 | 3.3 | 3.1 | 1.1 | .1 | | | | | | | | | | | | | 77 | 78 | 104 | 83 | | | | | | | | | | | | | |
| 59 / 59 | 1.3 | 3.9 | 3.2 | .7 | | | | | | | | | | | | | | 83 | 84 | 100 | 109 | | | | | | | | | | | | | |
| 57 / 57 | 1.4 | 3.6 | 1.1 | | | | | | | | | | | | | | | 56 | 58 | 89 | 95 | | | | | | | | | | | | | |
| 55 / 55 | .3 | 3.0 | 1.6 | .1 | | | | | | | | | | | | | | 46 | 47 | 64 | 86 | | | | | | | | | | | | | |
| 47 / 53 | .5 | 1.9 | .9 | .3 | | | | | | | | | | | | | | 32 | 32 | 38 | 61 | | | | | | | | | | | | | |
| 27 / 51 | .9 | 1.8 | .5 | .1 | | | | | | | | | | | | | | 30 | 30 | 46 | 57 | | | | | | | | | | | | | |
| 50 / 47 | .3 | 1.9 | .3 | | | | | | | | | | | | | | | 22 | 22 | 23 | 44 | | | | | | | | | | | | | |
| 47 / 47 | .3 | 1.0 | .3 | | | | | | | | | | | | | | | 15 | 15 | 26 | 25 | | | | | | | | | | | | | |
| 45 / 45 | .3 | .9 | | | | | | | | | | | | | | | | 10 | 10 | 16 | 21 | | | | | | | | | | | | | |
| 44 / 43 | .2 | .5 | | .1 | | | | | | | | | | | | | | 8 | 9 | 9 | 15 | | | | | | | | | | | | | |
| 42 / 41 | .3 | .1 | | | | | | | | | | | | | | | | 4 | 4 | 6 | 9 | | | | | | | | | | | | | |
| 40 / 39 | .1 | | | | | | | | | | | | | | | | | 2 | 2 | 3 | 7 | | | | | | | | | | | | | |
| 37 / 37 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 35 / 35 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | |
| 33 / 33 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 3 | | | | | | | | | | | | | |
| TOTAL | 9.738 | 0.34 | 2.13 | 6 | 3.6 | .9 | | | | | | | | | | | | 914 | 929 | | 914 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 914 | | 914 | | | | | | | | | | | | | | |
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AD-A159 640

WATERTOWN NEW YORK REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATION..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. OCT 84
USAFETAC/DS-84/035

98

UNCLASSIFIED

F/G 4/2

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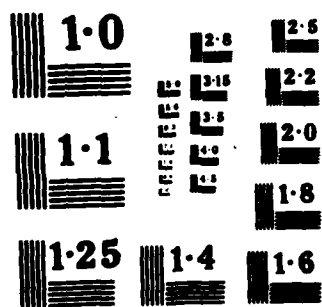
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11-85

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726227

WATERTOWN NY

74-83

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 92/ 91 | | | | | | | | | .2 | .1 | .1 | | | | | | | 4 | 4 | | | | | | |
| 90/ 89 | | | | | | | .1 | .3 | .1 | .1 | .1 | | | | | | | 6 | 6 | | | | | | |
| 88/ 87 | | | | | | | .4 | .4 | .4 | .3 | | | | | | | | 15 | 15 | | | | | | |
| 86/ 85 | | | | | .2 | 1.0 | .3 | .3 | | .4 | | | | | | | | 21 | 21 | | | | | | |
| 84/ 83 | | | | .1 | .5 | 1.0 | 1.0 | 1.2 | 1.4 | | | | | | | | | 48 | 48 | | | | | | |
| 82/ 81 | | | .1 | .2 | .8 | 1.5 | 2.9 | 2.4 | .4 | | | | | | | | | 77 | 77 | | | | | | |
| 80/ 79 | | | .1 | .9 | 2.0 | 5.0 | 2.7 | 2.9 | 1.1 | .1 | .1 | | | | | | | 137 | 137 | 3 | | | | | |
| 78/ 77 | | | .5 | 2.9 | 3.0 | 2.0 | 1.8 | 1.5 | .5 | .2 | | | | | | | | 116 | 118 | 12 | 1 | | | | |
| 76/ 75 | | | 1.4 | 2.5 | 2.3 | 2.4 | 1.4 | 1.3 | .3 | .1 | | | | | | | | 108 | 110 | 24 | 6 | | | | |
| 74/ 73 | | 1.0 | 1.0 | 2.2 | 1.4 | 2.4 | 2.3 | 1.4 | .2 | | | | | | | | | 109 | 111 | 57 | 9 | | | | |
| 72/ 71 | | .3 | 2.1 | 1.6 | 1.5 | 2.5 | 1.0 | .5 | .2 | | | | | | | | | 90 | 91 | 111 | 34 | | | | |
| 70/ 69 | .1 | .5 | 1.2 | 1.2 | .7 | 1.6 | 1.1 | .4 | .2 | | | | | | | | | 65 | 66 | 151 | 69 | | | | |
| 68/ 67 | | .3 | 1.3 | .7 | 2.3 | .4 | .7 | .1 | | | | | | | | | | 57 | 58 | 135 | 85 | | | | |
| 66/ 65 | .1 | .9 | .7 | .7 | .4 | .3 | | | | | | | | | | | | 28 | 28 | 124 | 112 | | | | |
| 64/ 63 | | .1 | | .7 | .3 | .1 | | | | | | | | | | | | 11 | 11 | 86 | 104 | | | | |
| 62/ 61 | | .3 | .2 | | .2 | .4 | | | | | | | | | | | | 11 | 11 | 77 | 91 | | | | |
| 60/ 59 | .2 | .1 | .1 | | | .2 | | | | | | | | | | | | 6 | 6 | 70 | 97 | | | | |
| 58/ 57 | | .3 | .1 | | | | | | | | | | | | | | | 4 | 4 | 43 | 63 | | | | |
| 56/ 55 | .1 | .3 | | | | | | | | | | | | | | | | 4 | 4 | 12 | 84 | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 7 | 58 | | | | |
| 52/ 51 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 3 | 35 | | | | |
| 50/ 49 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 3 | 24 | | | | |
| 48/ 47 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 1 | 20 | | | | |
| 46/ 45 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | 14 | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 2 | 6 | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 4 | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| TOTAL | .5 | 4.3 | 9.1 | 13.6 | 15.6 | 21.7 | 15.7 | 12.9 | 5.1 | 1.1 | .2 | | | | | | | 921 | 930 | | 921 | | | | |
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| Element (X) | Z ₁ | Z ₂ | X | C ₁ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|----------------|----------------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 3737556 | 57264 | 62.2 | 13.875 | 921 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Dry Bulb | 5308456 | 70020 | 75.3 | 6.279 | 930 | | | 86.2 | 64.7 | 24.4 | | 93 |
| Wet Bulb | 4085240 | 61144 | 66.4 | 5.313 | 921 | | | 49.8 | 9.7 | | | 93 |
| Dew Point | 3459531 | 56087 | 60.9 | 6.912 | 921 | | | 20.6 | 1.6 | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

720227

WATERTOWN NY

74-83

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 88/ 87 | | | | | | | .1 | | | | | | | | | | | 1 | 1 | | |
| 86/ 85 | | | | | | .1 | .2 | .1 | | | | | | | | | | 4 | 4 | | |
| 84/ 83 | | | | .1 | .1 | .2 | .1 | | .1 | | | | | | | | | 6 | 6 | | |
| 82/ 81 | | | | .5 | .4 | .3 | .2 | .1 | | | | | | | | | | 15 | 15 | | |
| 80/ 79 | | .1 | .3 | .4 | .2 | 1.6 | .7 | .2 | .3 | | | | | | | | | 36 | 36 | | |
| 78/ 77 | | .1 | .3 | .9 | 2.6 | .8 | .6 | .4 | .1 | | | | | | | | | 55 | 55 | 2 | |
| 76/ 75 | | .1 | 1.1 | 3.2 | 2.2 | 1.5 | .3 | .5 | | | | | | | | | | 82 | 83 | 14 | 2 |
| 74/ 73 | | .9 | 3.0 | 3.8 | 2.4 | 1.1 | .5 | .2 | | .1 | | | | | | | | 111 | 111 | 19 | 11 |
| 72/ 71 | | 1.4 | 4.3 | 2.9 | 2.4 | 1.2 | .8 | .5 | | | | | | | | | | 125 | 128 | 67 | 15 |
| 70/ 69 | .1 | 1.7 | 3.2 | 2.1 | 1.7 | 1.4 | .3 | | | | | | | | | | | 97 | 97 | 111 | 58 |
| 68/ 67 | .1 | .9 | 4.6 | 2.7 | 1.7 | .9 | .4 | | | | | | | | | | | 104 | 107 | 117 | 88 |
| 66/ 65 | .3 | 2.1 | 2.6 | 1.8 | 1.4 | .3 | .1 | | | | | | | | | | | 80 | 82 | 130 | 84 |
| 64/ 63 | .2 | 2.7 | 1.1 | 1.7 | 1.3 | .2 | | | | | | | | | | | | 67 | 67 | 104 | 125 |
| 62/ 61 | .1 | 2.4 | 1.6 | 1.3 | .5 | .2 | | | | | | | | | | | | 57 | 58 | 107 | 95 |
| 60/ 59 | .1 | .9 | 2.2 | .5 | .3 | .1 | | | | | | | | | | | | 38 | 38 | 93 | 113 |
| 58/ 57 | .2 | .9 | .4 | .3 | | | | | | | | | | | | | | 17 | 17 | 66 | 76 |
| 56/ 55 | .3 | 1.1 | .2 | .1 | .1 | | | | | | | | | | | | | 17 | 17 | 52 | 80 |
| 54/ 53 | | .1 | .1 | | | | | | | | | | | | | | | 2 | 2 | 22 | 56 |
| 52/ 51 | | .1 | .2 | | | | | | | | | | | | | | | 3 | 3 | 6 | 55 |
| 50/ 49 | | | .2 | | | | | | | | | | | | | | | 2 | 2 | 5 | 21 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 2 | 19 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 2 | 12 |
| 44/ 43 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | 4 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 1 | 3 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 2 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 1.5 | 15.5 | 25.5 | 22.5 | 17.5 | 10.0 | 4.6 | 2.2 | .5 | .1 | | | | | | | | 920 | 930 | 920 | 920 |
| | | | | | | | | | | | | | | | | | | | | | |
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FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

MONTH

YEARS

2100-2300

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (O L A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

A116

MONTH

ALL

ALL
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|------|--------|------|------|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------|--|-------|--|--|--|--|--|--|--|--|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | .0 | .0 | .0 | | | | | | 5 | 5 | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | .1 | .1 | .0 | .0 | | | | | | | 18 | 18 | | | | | | | | | | | | | | | | |
| 87 | | | | | | | .1 | .2 | .1 | .1 | | | | | | | | 37 | 37 | | | | | | | | | | | | | | | | |
| 85 | | | | | | .1 | .3 | .2 | .1 | .1 | .1 | | | | | | | 63 | 63 | | | | | | | | | | | | | | | | |
| 83 | | | .1 | .0 | .2 | .4 | .3 | .3 | .3 | | | | | | | | | 111 | 111 | | | | | | | | | | | | | | | | |
| 81 | | | .0 | .2 | .5 | .7 | .7 | .5 | .2 | .0 | | | | | | | | 204 | 204 | | | | | | | | | | | | | | | | |
| 79 | | .0 | .1 | .6 | .8 | 1.6 | .7 | .8 | .3 | .0 | .0 | | | | | | | 367 | 368 | 7 | | | | | | | | | | | | | | | |
| 77 | | .0 | .3 | 1.0 | 2.1 | .8 | .7 | .4 | .2 | .0 | | | | | | | | 414 | 420 | 38 | 2 | | | | | | | | | | | | | | |
| 76/ 75 | .0 | .2 | 1.0 | 1.9 | 1.4 | .8 | .6 | .5 | .1 | .0 | | | | | | | | 485 | 496 | 89 | 14 | | | | | | | | | | | | | | |
| 74/ 73 | | .7 | 1.7 | 2.4 | 1.0 | 1.0 | .6 | .4 | .1 | .0 | | | | | | | | 594 | 603 | 239 | 60 | | | | | | | | | | | | | | |
| 72/ 71 | .0 | 1.2 | 3.1 | 1.5 | 1.2 | .9 | .6 | .3 | .1 | | | | | | | | | 650 | 658 | 459 | 179 | | | | | | | | | | | | | | |
| 70/ 69 | .2 | 1.6 | 3.5 | 1.7 | .8 | .7 | .4 | .1 | .0 | | | | | | | | | 669 | 675 | 739 | 381 | | | | | | | | | | | | | | |
| 68/ 67 | .5 | 1.5 | 3.4 | 1.3 | 1.0 | .5 | .2 | .1 | .0 | | | | | | | | | 624 | 641 | 826 | 618 | | | | | | | | | | | | | | |
| 66/ 65 | .6 | 2.4 | 2.1 | 1.4 | .7 | .2 | .1 | | | | | | | | | | | 547 | 555 | 830 | 714 | | | | | | | | | | | | | | |
| 64/ 63 | .5 | 2.9 | 1.7 | 1.4 | .5 | .1 | | | | | | | | | | | | 520 | 524 | 763 | 802 | | | | | | | | | | | | | | |
| 62/ 61 | .5 | 2.4 | 1.7 | .9 | .3 | .1 | .0 | | | | | | | | | | | 429 | 435 | 687 | 668 | | | | | | | | | | | | | | |
| 60/ 59 | .6 | 2.3 | 2.0 | .5 | .1 | .1 | | | | | | | | | | | | 406 | 411 | 710 | 771 | | | | | | | | | | | | | | |
| 58/ 57 | .5 | 2.1 | 1.1 | .2 | .0 | | | | | | | | | | | | | 291 | 298 | 565 | 597 | | | | | | | | | | | | | | |
| 56/ 55 | .6 | 1.7 | 1.0 | .1 | .0 | | | | | | | | | | | | | 250 | 255 | 433 | 674 | | | | | | | | | | | | | | |
| 54/ 53 | .4 | 1.5 | .5 | .1 | | | | | | | | | | | | | | 181 | 181 | 270 | 540 | | | | | | | | | | | | | | |
| 52/ 51 | .5 | 1.3 | .4 | .1 | .0 | | | | | | | | | | | | | 173 | 177 | 237 | 415 | | | | | | | | | | | | | | |
| 50/ 49 | .3 | .9 | .1 | .0 | | | | | | | | | | | | | | 98 | 100 | 162 | 337 | | | | | | | | | | | | | | |
| 48/ 47 | .2 | .7 | .1 | .0 | | | | | | | | | | | | | | 76 | 76 | 103 | 233 | | | | | | | | | | | | | | |
| 46/ 45 | .3 | .5 | .0 | | | | | | | | | | | | | | | 60 | 60 | 84 | 135 | | | | | | | | | | | | | | |
| 44/ 43 | .2 | .2 | | .0 | | | | | | | | | | | | | | 28 | 29 | 49 | 80 | | | | | | | | | | | | | | |
| 42/ 41 | .1 | .1 | | | | | | | | | | | | | | | | 18 | 18 | 24 | 52 | | | | | | | | | | | | | | |
| 40/ 39 | .1 | .0 | | | | | | | | | | | | | | | | 10 | 10 | 12 | 43 | | | | | | | | | | | | | | |
| 38/ 37 | .0 | .0 | | | | | | | | | | | | | | | | 3 | 3 | 4 | 10 | | | | | | | | | | | | | | |
| 36/ 35 | .1 | | | | | | | | | | | | | | | | | 6 | 6 | 7 | 7 | | | | | | | | | | | | | | |
| 34/ 33 | .0 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 7 | | | | | | | | | | | | | | |
| TOTAL | 6.3 | 24.2 | 23.9 | 15.5 | 10.8 | 8.4 | 5.9 | 3.7 | 1.4 | .2 | .0 | | | | | | | 7339 | 7439 | | 7339 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σx' | | Σx | | Σ | | Σ _n | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 44627145 | | 561465 | | 76.5 | | 15.098 | | 7339 | | ≤ 6 F | | ≤ 32 F | | ≤ 67 F | | ≤ 73 F | | ≤ 80 F | | ≤ 93 F | | Total | | | | | | | | | | | | |
| Dry Bulb | 34557566 | | 502496 | | 67.5 | | 9.090 | | 7439 | | | | | | 430.0 | | 232.5 | | 62.9 | | | | 744 | | | | | | | | | | | | |
| Wet Bulb | 29066055 | | 458933 | | 62.5 | | 7.074 | | 7339 | | | | | | 243.0 | | 37.8 | | | | | | 744 | | | | | | | | | | | | |
| Dew Point | 26220942 | | 435488 | | 59.3 | | 7.192 | | 7339 | | | | | | 127.1 | | 7.7 | | | | | | 744 | | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726227

WATERTOWN NY

74-83

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|-------|------|------|------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 80 / 79 | | | | | | | .1 | .1 | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | |
| 79 / 77 | | | | | .3 | .1 | .1 | | | | | | | | | | | 5 | 5 | | | | | | | | | | | | | | | | |
| 76 / 75 | | | .1 | .1 | .1 | .1 | | | | | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | | |
| 74 / 73 | | | .8 | .1 | .3 | | | | | | | | | | | | | 11 | 11 | | | | | | | | | | | | | | | | |
| 72 / 71 | .1 | .2 | 1.6 | .2 | .1 | | | | | | | | | | | | | 20 | 20 | 6 | 2 | | | | | | | | | | | | | | |
| 70 / 69 | | 1.5 | 1.8 | .7 | .2 | | | | | | | | | | | | | 37 | 37 | 14 | 4 | | | | | | | | | | | | | | |
| 68 / 67 | .1 | .4 | 1.3 | .4 | .2 | .1 | | | | | | | | | | | | 24 | 24 | 30 | 31 | | | | | | | | | | | | | | |
| 66 / 65 | | 1.2 | 1.1 | 1.1 | .4 | | | | | | | | | | | | | 35 | 35 | 30 | 15 | | | | | | | | | | | | | | |
| 64 / 63 | .3 | 2.2 | .9 | .6 | | | | | | | | | | | | | | 36 | 36 | 32 | 25 | | | | | | | | | | | | | | |
| 62 / 61 | .6 | 2.1 | 1.2 | .9 | | | | | | | | | | | | | | 43 | 43 | 47 | 44 | | | | | | | | | | | | | | |
| 60 / 59 | .4 | 3.0 | 4.2 | 1.6 | .4 | | | | | | | | | | | | | 86 | 86 | 42 | 41 | | | | | | | | | | | | | | |
| 58 / 57 | .7 | 4.4 | 2.2 | 1.2 | .9 | | | | | | | | | | | | | 84 | 84 | 65 | 52 | | | | | | | | | | | | | | |
| 56 / 55 | .8 | 3.3 | 2.1 | .6 | .4 | | | | | | | | | | | | | 64 | 64 | 86 | 67 | | | | | | | | | | | | | | |
| 54 / 53 | .7 | 4.4 | 2.0 | 1.3 | .1 | | | | | | | | | | | | | 76 | 79 | 79 | 64 | | | | | | | | | | | | | | |
| 52 / 51 | 1.2 | 4.2 | 3.0 | .8 | .1 | | | | | | | | | | | | | 83 | 83 | 74 | 93 | | | | | | | | | | | | | | |
| 50 / 49 | 1.6 | 3.3 | 1.2 | .2 | | | | | | | | | | | | | | 56 | 56 | 96 | 70 | | | | | | | | | | | | | | |
| 48 / 47 | 1.6 | 3.9 | .8 | | | | | | | | | | | | | | | 56 | 56 | 70 | 72 | | | | | | | | | | | | | | |
| 46 / 45 | .1 | 2.9 | 1.2 | | .2 | | | | | | | | | | | | | 40 | 40 | 54 | 71 | | | | | | | | | | | | | | |
| 44 / 43 | .3 | 2.5 | 1.1 | .4 | | | | | | | | | | | | | | 38 | 38 | 33 | 43 | | | | | | | | | | | | | | |
| 42 / 41 | .9 | 1.7 | .6 | | | | | | | | | | | | | | | 28 | 28 | 48 | 59 | | | | | | | | | | | | | | |
| 40 / 39 | 1.1 | .8 | .4 | | | | | | | | | | | | | | | 23 | 23 | 26 | 49 | | | | | | | | | | | | | | |
| 38 / 37 | 1.2 | 1.0 | .2 | | | | | | | | | | | | | | | 22 | 22 | 28 | 36 | | | | | | | | | | | | | | |
| 36 / 35 | .2 | .3 | .1 | | | | | | | | | | | | | | | 6 | 6 | 11 | 17 | | | | | | | | | | | | | | |
| 34 / 33 | .3 | .2 | | | | | | | | | | | | | | | | 5 | 5 | 9 | 8 | | | | | | | | | | | | | | |
| 32 / 31 | .3 | .1 | | | | | | | | | | | | | | | | 4 | 4 | 5 | 15 | | | | | | | | | | | | | | |
| 30 / 29 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 1 | 6 | | | | | | | | | | | | | | |
| 28 / 27 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 1 | 4 | | | | | | | | | | | | | | |
| 26 / 25 | | | | | | | | | | | | | | | | | | | | 2 | 1 | | | | | | | | | | | | | | |
| 22 / 21 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| TOTAL | 12.9 | 44.0 | 28.1 | 10.3 | 4.0 | .3 | .2 | .1 | | | | | | | | | | 891 | 894 | 891 | 891 | | | | | | | | | | | | | | |
| Element (X) | Σ x ² | | Σ x | | Σ | | Σ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | | | | | | | | | | | | |
| Rel. Hum. | 6504139 | | 75515 | | 84.6 | | 10.8 | | 891 | | ≥ 0 F | ≥ 32 F | ≥ 47 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 2754806 | | 48922 | | 54.7 | | 9.326 | | 894 | | | | .7 | 10.4 | 2.2 | .1 | 90 | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 2495906 | | 46524 | | 52.2 | | 8.653 | | 891 | | | | .9 | 5.3 | | | 90 | | | | | | | | | | | | | | | | | | |
| Dew Point | 2303695 | | 44597 | | 50.1 | | 8.963 | | 891 | | | | 2.8 | 3.7 | | | 90 | | | | | | | | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

720227

WATER TOWN NY

74-83

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|------|-------|-----|------|------|--------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-----------|----------|----------|-----------|-------|--|-----|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 77/ 77 | | | | .2 | .3 | | | | | | | | | | | | | 5 | 5 | | | | | | |
| 76/ 75 | | | .1 | .1 | .3 | | | | | | | | | | | | | 5 | 5 | | | | | | |
| 74/ 73 | | | .7 | .2 | .1 | | | | | | | | | | | | | 9 | 9 | | | | | | |
| 72/ 71 | | .3 | 2.0 | | | | | | | | | | | | | | | 21 | 21 | 4 | | | | | |
| 70/ 69 | .2 | .3 | 1.3 | .8 | .1 | | | | | | | | | | | | | 25 | 25 | 20 | 9 | | | | |
| 68/ 67 | .2 | .9 | 2.2 | .3 | .1 | | | | | | | | | | | | | 34 | 34 | 26 | 16 | | | | |
| 66/ 65 | .1 | 1.7 | 2.2 | .6 | .2 | .1 | | | | | | | | | | | | 44 | 44 | 24 | 25 | | | | |
| 64/ 63 | .1 | 3.7 | 2.0 | 1.7 | | | | | | | | | | | | | | 67 | 67 | 45 | 30 | | | | |
| 62/ 61 | .4 | 1.9 | 1.8 | .8 | | | | | | | | | | | | | | 44 | 44 | 61 | 48 | | | | |
| 60/ 59 | 1.0 | 2.0 | 2.7 | 1.2 | .2 | | | | | | | | | | | | | 64 | 64 | 54 | 61 | | | | |
| 58/ 57 | .9 | 2.6 | 2.2 | .2 | .2 | | | | | | | | | | | | | 55 | 55 | 64 | 56 | | | | |
| 56/ 55 | 1.6 | 3.2 | 1.8 | .8 | .1 | | | | | | | | | | | | | 67 | 67 | 65 | 63 | | | | |
| 54/ 53 | 1.1 | 5.3 | 1.9 | .8 | .3 | | | | | | | | | | | | | 84 | 84 | 78 | 64 | | | | |
| 52/ 51 | .9 | 4.1 | 3.0 | .6 | .1 | | | | | | | | | | | | | 78 | 79 | 73 | 74 | | | | |
| 50/ 49 | 1.1 | 4.2 | 2.0 | .4 | | | | | | | | | | | | | | 70 | 72 | 69 | 78 | | | | |
| 48/ 47 | 1.1 | 4.0 | 1.2 | .1 | .2 | | | | | | | | | | | | | 60 | 60 | 89 | 67 | | | | |
| 46/ 45 | .7 | 2.8 | .9 | .1 | .1 | | | | | | | | | | | | | 41 | 41 | 56 | 64 | | | | |
| 44/ 43 | .4 | 1.3 | 1.1 | .3 | .1 | | | | | | | | | | | | | 30 | 30 | 43 | 56 | | | | |
| 42/ 41 | .8 | 1.2 | .8 | .2 | | | | | | | | | | | | | | 23 | 23 | 28 | 38 | | | | |
| 40/ 39 | .6 | 1.1 | .8 | | | | | | | | | | | | | | | 20 | 20 | 27 | 40 | | | | |
| 38/ 37 | 1.1 | .7 | .3 | .2 | | | | | | | | | | | | | | 21 | 21 | 27 | 28 | | | | |
| 36/ 35 | .3 | .6 | | | | | | | | | | | | | | | | 8 | 8 | 14 | 27 | | | | |
| 34/ 33 | .4 | .4 | .1 | | | | | | | | | | | | | | | 9 | 9 | 15 | 13 | | | | |
| 32/ 31 | .6 | .2 | | | | | | | | | | | | | | | | 7 | 7 | 8 | 21 | | | | |
| 30/ 29 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 2 | 9 | | | | |
| 28/ 27 | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 1 | 3 | | | | |
| 26/ 25 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 2 | 3 | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| TOTAL | 13.7 | 42.9 | 30.6 | 9.7 | 2.7 | .1 | | | | | | | | | | | | 895 | 898 | 895 | 895 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | 895 | | 895 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σx' | | Σx | | Σ | | Σ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | Total | | | | | | |
| Rel. Hum. | 6564529 | | 76115 | | 85.1 | | 10.109 | | 895 | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | | | 90 | | | | | | |
| Dry Bulb | 2765311 | | 49101 | | 54.7 | | 9.477 | | 898 | | | 1.1 | 9.9 | 1.9 | | | | | 90 | | | | | | |
| Wet Bulb | 2514415 | | 46757 | | 52.2 | | 8.954 | | 895 | | | 1.3 | 5.0 | | | | | | 90 | | | | | | |
| Dew Point | 2330657 | | 44895 | | 50.2 | | 9.379 | | 895 | | | 3.8 | 2.5 | | | | | | 90 | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72227
STATION

WATERTOWN NY
STATION NAME

74-83
YEARS

SEP
MONTH

PAGE 1 1200-1400
HOURS (L.S.T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-------|-----|------|------|--------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|----------|----------|-----------|--|--|--|--|--|-----|--|--|--|-----|--|--------------------|-------|-----|----|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 87/ 87 | | | | | | | | .1 | .1 | .3 | | | | | | | | 5 | | | | | | | | | | | | | | 5 | | | |
| 86/ 85 | | | | | | .1 | .2 | .1 | | | | | | | | | | 4 | | | | | | | | | | | | | | 4 | | | |
| 84/ 83 | | | | | | .3 | .4 | | .1 | | | | | | | | | 7 | | | | | | | | | | | | | | 7 | | | |
| 82/ 81 | | | | | | .8 | .6 | .2 | .2 | | | | | | | | | 16 | | | | | | | | | | | | | | 16 | | | |
| 80/ 79 | | | | .2 | .8 | 1.3 | .4 | .3 | | | | | | | | | | 32 | | | | | | | | | | | | | | 32 | | | |
| 78/ 77 | | | | 1.0 | .1 | .9 | 1.1 | .1 | .1 | | | | | | | | | 29 | | | | | | | | | | | | | | 29 | | 1 | |
| 76/ 75 | | | .1 | .9 | .8 | .6 | .8 | .3 | | | | | | | | | | 33 | | | | | | | | | | | | | | 33 | | 7 | |
| 74/ 73 | | | .7 | 1.7 | 1.1 | 1.3 | 1.1 | .1 | | | | | | | | | | 54 | | | | | | | | | | | | | | 54 | 20 | 1 | |
| 72/ 71 | | .7 | 1.2 | 1.6 | 1.6 | 1.3 | 1.2 | | | | | | | | | | | 68 | | | | | | | | | | | | | | 68 | 26 | 11 | |
| 70/ 69 | | .4 | 1.6 | 1.6 | 2.2 | 2.3 | 1.2 | .1 | | | | | | | | | | 85 | | | | | | | | | | | | | | 85 | 41 | 29 | |
| 68/ 67 | .1 | 1.3 | 1.7 | 1.9 | 3.7 | 2.4 | 1.0 | .3 | | | | | | | | | | 101 | | | | | | | | | | | | | | 101 | 63 | 30 | |
| 66/ 65 | .1 | .8 | 1.2 | 2.3 | 1.8 | 2.3 | 1.8 | .4 | | | | | | | | | | 97 | | | | | | | | | | | | | | 97 | 69 | 48 | |
| 64/ 63 | .1 | .6 | .9 | 1.6 | 2.3 | 1.4 | .7 | .1 | | | | | | | | | | 69 | | | | | | | | | | | | | | 69 | 66 | 44 | |
| 62/ 61 | .3 | 1.8 | 1.9 | 2.6 | 1.7 | 1.3 | .9 | | | | | | | | | | | 93 | | | | | | | | | | | | | | 93 | 92 | 55 | |
| 60/ 59 | | 1.0 | .3 | 1.3 | 1.4 | 2.0 | .7 | | | | | | | | | | | 65 | | | | | | | | | | | | | | 65 | 99 | 63 | |
| 58/ 57 | | .9 | .3 | .6 | 1.8 | .8 | | | | | | | | | | | | 39 | | | | | | | | | | | | | | 39 | 101 | 71 | |
| 56/ 55 | | 1.1 | .2 | .6 | .4 | .4 | | | | | | | | | | | | 25 | | | | | | | | | | | | | | 25 | 65 | 82 | |
| 54/ 53 | | 1.1 | .8 | .2 | .7 | .3 | .1 | | | | | | | | | | | 29 | | | | | | | | | | | | | | 29 | 75 | 77 | |
| 52/ 51 | | 1.0 | .7 | .3 | .8 | .2 | | | | | | | | | | | | 27 | | | | | | | | | | | | | | 27 | 64 | 78 | |
| 50/ 49 | | .3 | .2 | .2 | .2 | | | | | | | | | | | | | 9 | | | | | | | | | | | | | | 9 | 47 | 63 | |
| 48/ 47 | | .4 | | .1 | .1 | .1 | | | | | | | | | | | | 7 | | | | | | | | | | | | | | 7 | 24 | 51 | |
| 46/ 45 | | | | .4 | | .2 | | | | | | | | | | | | 6 | | | | | | | | | | | | | | 6 | 18 | 48 | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 37 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 38 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 27 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 19 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 9 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .311.411.719.021.920.711.4 2.8 .3 | | | | | | | | | | | | | | | | | | | | | | | | | 900 | | | | 900 | | | | 900 | |
| Element (X) | Σx' | | Σx | | Σ | | Σ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | Total | | | | | | | | | | | | | | | | |
| Rel. Hum. | 4068451 | | 59105 | | 65.7 | | 14.418 | | 900 | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 3986765 | | 59471 | | 66.1 | | 7.943 | | 900 | | | | 43.4 | 18.0 | 4.4 | | 90 | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 3193960 | | 53204 | | 59.1 | | 7.366 | | 900 | | | | 15.8 | 2.8 | | | 90 | | | | | | | | | | | | | | | | | | |
| Dew Point | 2671167 | | 48341 | | 53.7 | | 9.113 | | 900 | | | 1.0 | 7.1 | .1 | | | 90 | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

72-527
STATION

WATERTOWN NY

74-83

YEARS

SFB

MONTH

PAGE 1

1500-1700

HOURS (L. S. Y.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|-------|------|------|------|--------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 87/87 | | | | | | | .1 | | .1 | | | | | | | | | 3 | 3 | | | | | |
| 86/85 | | | | | | | | .1 | | | | | | | | | | 1 | 1 | | | | | |
| 84/83 | | | | | | .1 | .1 | .2 | .1 | | | | | | | | | 8 | 8 | | | | | |
| 82/81 | | | | .1 | 1.0 | .4 | .3 | | .1 | | | | | | | | | 18 | 10 | | | | | |
| 80/79 | | | | .1 | .3 | .3 | .4 | .6 | .7 | | | | | | | | | 24 | 24 | | | | | |
| 78/77 | | | .1 | .7 | .4 | 1.2 | .7 | .2 | | | | | | | | | | 30 | 30 | 3 | | | | |
| 76/75 | | | | .2 | 1.1 | .8 | 1.6 | .3 | .1 | | | | | | | | | 37 | 37 | 3 | | | | |
| 74/73 | | .2 | .7 | 1.9 | 1.8 | 1.7 | .7 | .2 | | | | | | | | | | 64 | 64 | 20 | 3 | | | |
| 72/71 | | .3 | 1.0 | .7 | 1.4 | 2.1 | .9 | .2 | | | | | | | | | | 60 | 60 | 23 | 11 | | | |
| 70/69 | | .9 | 1.8 | 1.0 | 1.4 | 2.1 | 1.6 | .2 | .1 | | | | | | | | | 81 | 81 | 37 | 25 | | | |
| 68/67 | | .7 | 1.6 | 1.8 | 1.9 | 1.7 | 1.3 | .2 | | | | | | | | | | 82 | 82 | 59 | 24 | | | |
| 66/65 | .1 | 1.1 | 1.3 | 2.6 | 4.3 | 1.0 | .9 | .3 | .2 | | | | | | | | | 107 | 107 | 69 | 45 | | | |
| 64/63 | .3 | .3 | .4 | 2.2 | 3.1 | 1.4 | .8 | .1 | | | | | | | | | | 70 | 70 | 73 | 43 | | | |
| 62/61 | .2 | 1.7 | 1.4 | 1.7 | 2.4 | 2.4 | .6 | .1 | | | | | | | | | | 95 | 95 | 80 | 57 | | | |
| 60/59 | .8 | 1.0 | 1.4 | .8 | .9 | 1.4 | .2 | | | | | | | | | | | 57 | 57 | 97 | 72 | | | |
| 58/57 | | 1.1 | 1.4 | 1.1 | 1.3 | .6 | .2 | | | | | | | | | | | 52 | 52 | 104 | 63 | | | |
| 56/55 | .1 | 1.6 | 1.3 | .7 | .2 | .4 | .1 | | | | | | | | | | | 40 | 40 | 79 | 88 | | | |
| 54/53 | | .4 | .2 | .2 | .4 | .4 | .1 | | | | | | | | | | | 17 | 17 | 85 | 72 | | | |
| 52/51 | .1 | 1.7 | .9 | .4 | .2 | .2 | | | | | | | | | | | | 26 | 26 | 61 | 91 | | | |
| 50/49 | | .8 | .4 | .2 | | .1 | | | | | | | | | | | | 14 | 14 | 42 | 58 | | | |
| 48/47 | .1 | .6 | .3 | | | | | | | | | | | | | | | 9 | 9 | 27 | 59 | | | |
| 46/45 | | .2 | | | | .3 | | | | | | | | | | | | 5 | 5 | 14 | 46 | | | |
| 44/43 | | | | | | | | | | | | | | | | | | | | 15 | 40 | | | |
| 42/41 | | | | | | | | | | | | | | | | | | | | 6 | 37 | | | |
| 40/39 | | | | | | | | | | | | | | | | | | | | | 26 | | | |
| 38/37 | | | | | | | | | | | | | | | | | | | | | 10 | | | |
| 36/35 | | | | | | | | | | | | | | | | | | | | 3 | 13 | | | |
| 34/33 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| 32/31 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| 30/29 | | | | | | | | | | | | | | | | | | | | | 4 | | | |
| 28/27 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 26/25 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| TOTAL | 1.4 | 11.1 | 15.1 | 17.8 | 21.2 | 20.7 | 9.4 | 2.7 | .6 | | | | | | | | | 900 | 900 | 900 | 900 | | | |
| Element (X) | Σx' | | Σx | | Σ | | Σ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | 4174679 | | 59849 | | 66.5 | | 14.720 | | 900 | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | 90 | | | | | |
| Dry Bulb | 3942074 | | 59134 | | 65.7 | | 7.942 | | 900 | | | | 40.8 | 18.5 | 4.2 | | | | 90 | | | | | |
| Wet Bulb | 3174322 | | 53750 | | 58.9 | | 7.259 | | 900 | | | | 14.5 | 2.6 | | | | | 90 | | | | | |
| Dew Point | 2664638 | | 48304 | | 53.7 | | 8.954 | | 900 | | | 1.2 | 6.3 | .3 | | | | | 90 | | | | | |

PSYCHROMETRIC SUMMARY

74-83

SEP

MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

SFP

YEARS

MONTH

2100-2300
HOURS (L. S. T.)

[illegible]0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

1

SEP

MONTH

ALI

HOURS (L, S, T.)

USAFETAC

PSYCHROMETRIC SUMMARY

SEP

YEARS

MONTH

ALL

HOURS (L, S, T.)

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726227

WATERTOWN NY

74-83

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | | |
|--------------|-------------------------------------|-------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 72/ 71 | | | .1 | .1 | .2 | | | | | | | | | | | | | 4 | 4 | | | | | | | |
| 70/ 69 | | | .1 | .3 | | | | | | | | | | | | | | 4 | 4 | | | | | | | |
| 68/ 67 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 2 | | | | | | |
| 66/ 65 | | .5 | .1 | .1 | .4 | | | | | | | | | | | | | 11 | 11 | 2 | | | | | | |
| 64/ 63 | | .5 | .3 | .3 | .2 | .1 | | .3 | | | | | | | | | | 21 | 21 | 10 | 5 | | | | | |
| 62/ 61 | | 1.0 | .3 | .3 | .4 | | .2 | | | | | | | | | | | 21 | 21 | 10 | 9 | | | | | |
| 60/ 59 | | .3 | .9 | .5 | .4 | .2 | | | | | | | | | | | | 22 | 22 | 14 | 12 | | | | | |
| 58/ 57 | .2 | .6 | .3 | .3 | .4 | .5 | .3 | | | | | | | | | | | 26 | 26 | 19 | 15 | | | | | |
| 56/ 55 | .6 | 2.2 | 1.3 | .4 | .5 | .2 | | | | | | | | | | | | 49 | 49 | 24 | 11 | | | | | |
| 54/ 53 | .9 | 1.4 | 1.7 | .9 | .3 | | | | | | | | | | | | | 48 | 48 | 40 | 31 | | | | | |
| 52/ 51 | .8 | 1.7 | 2.0 | .8 | .2 | | .2 | | | | | | | | | | | 53 | 53 | 40 | 43 | | | | | |
| 50/ 49 | 1.4 | 3.3 | 1.2 | .2 | .2 | | .1 | | | | | | | | | | | 60 | 60 | 63 | 45 | | | | | |
| 48/ 47 | .5 | 4.3 | 1.4 | .8 | .6 | | | | | | | | | | | | | 76 | 76 | 73 | 46 | | | | | |
| 46/ 45 | .3 | 3.4 | 1.7 | 1.2 | | | | | | | | | | | | | | 54 | 64 | 72 | 55 | | | | | |
| 44/ 43 | .3 | 2.6 | 2.4 | .9 | | | | | | | | | | | | | | 57 | 57 | 58 | 54 | | | | | |
| 42/ 41 | 1.2 | 2.3 | 1.1 | .4 | | | | | | | | | | | | | | 46 | 46 | 58 | 69 | | | | | |
| 40/ 39 | 1.3 | 2.7 | 1.6 | .1 | | | | | | | | | | | | | | 53 | 53 | 71 | 66 | | | | | |
| 38/ 37 | 2.2 | 2.8 | .6 | .2 | | | | | | | | | | | | | | 54 | 54 | 66 | 63 | | | | | |
| 36/ 35 | 1.2 | 1.9 | 1.2 | .2 | .2 | | | | | | | | | | | | | 44 | 44 | 53 | 53 | | | | | |
| 34/ 33 | 1.0 | 2.2 | .6 | .2 | | | | | | | | | | | | | | 37 | 37 | 32 | 56 | | | | | |
| 32/ 31 | 3.0 | 4.1 | .5 | .1 | | | | | | | | | | | | | | 72 | 72 | 63 | 80 | | | | | |
| 30/ 29 | 2.5 | 1.1 | .3 | | | | | | | | | | | | | | | 36 | 36 | 63 | 62 | | | | | |
| 28/ 27 | .5 | 3.1 | .3 | | | | | | | | | | | | | | | 36 | 36 | 37 | 28 | | | | | |
| 26/ 25 | .2 | .9 | .3 | | | | | | | | | | | | | | | 13 | 13 | 18 | 40 | | | | | |
| 24/ 23 | .1 | .9 | .1 | | | | | | | | | | | | | | | 10 | 10 | 16 | 23 | | | | | |
| 22/ 21 | .2 | .2 | .1 | | | | | | | | | | | | | | | 5 | 5 | 8 | 25 | | | | | |
| 20/ 19 | .3 | .4 | | | | | | | | | | | | | | | | 7 | 7 | 6 | 13 | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | 4 | 8 | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 7 | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 5 | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | |
| TOTAL | 18.9 | 44.3 | 21.8 | 8.4 | 4.3 | 1.1 | .9 | .3 | | | | | | | | | | 930 | 930 | 930 | 930 | | | | | |
| Element (X) | 2x' | 2x | X | % | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 6456481 | 76411 | 82.2 | 13.857 | 930 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | | |
| Dry Bulb | 1888888 | 40704 | 43.8 | 10.750 | 930 | | 17.9 | .9 | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 1681452 | 38462 | 41.4 | 9.889 | 930 | | 21.5 | .2 | | | | | | | | | | | | | | | | | | |
| Dew Point | 1467204 | 35618 | 38.3 | 10.541 | 930 | | 29.7 | | | | | | | | | | | | | | | | | | | |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726227

WATERTOWN NY

74-83

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0300-0500

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 74 / 73 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | | | | |
| 72 / 71 | | | | .1 | .4 | | | | | | | | | | | | | 5 | 5 | | | | | |
| 70 / 69 | | | .2 | .1 | | | | | | | | | | | | | | 3 | 3 | | | | | |
| 68 / 67 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | | | | | |
| 66 / 65 | | | .2 | .3 | | | | | | | | | | | | | | 5 | 5 | 6 | | | | |
| 64 / 63 | | .8 | .6 | .3 | | | | | | | | | | | | | | 16 | 16 | 7 | 3 | | | |
| 62 / 61 | | 1.0 | .3 | .2 | .3 | | | | | | | | | | | | | 17 | 17 | 11 | 7 | | | |
| 60 / 59 | | .8 | .6 | .8 | .3 | | | | | | | | | | | | | 23 | 23 | 15 | 16 | | | |
| 58 / 57 | .2 | .8 | .9 | .8 | .9 | .5 | .1 | | | | | | | | | | | 38 | 38 | 15 | 16 | | | |
| 56 / 55 | .9 | 1.7 | 1.1 | .2 | .4 | .4 | | | | | | | | | | | | 44 | 44 | 29 | 19 | | | |
| 54 / 53 | .4 | 1.4 | 1.9 | .8 | .3 | .2 | | | | | | | | | | | | 43 | 43 | 38 | 23 | | | |
| 52 / 51 | 1.3 | 1.6 | 1.4 | .5 | .1 | .1 | | | | | | | | | | | | 46 | 46 | 42 | 39 | | | |
| 50 / 49 | .4 | 2.6 | 1.8 | .6 | .1 | .1 | | | | | | | | | | | | 53 | 53 | 51 | 35 | | | |
| 48 / 47 | .5 | 3.3 | 1.6 | .6 | .5 | | | | | | | | | | | | | 62 | 62 | 66 | 46 | | | |
| 46 / 45 | .2 | 4.8 | 1.3 | .5 | | | | | | | | | | | | | | 64 | 64 | 71 | 47 | | | |
| 44 / 43 | .6 | 2.8 | 2.3 | .3 | .1 | | | | | | | | | | | | | 57 | 57 | 55 | 65 | | | |
| 42 / 41 | 1.8 | 2.2 | 1.9 | | | | | | | | | | | | | | | 55 | 55 | 64 | 56 | | | |
| 40 / 39 | 1.9 | 2.9 | 1.8 | .3 | | | | | | | | | | | | | | 65 | 65 | 72 | 78 | | | |
| 38 / 37 | 1.6 | 1.4 | 1.0 | .1 | | | | | | | | | | | | | | 38 | 38 | 61 | 55 | | | |
| 36 / 35 | .6 | 2.2 | .6 | .4 | | | | | | | | | | | | | | 36 | 36 | 36 | 49 | | | |
| 34 / 33 | 1.3 | 3.0 | .4 | | | | | | | | | | | | | | | 44 | 44 | 45 | 58 | | | |
| 32 / 31 | 1.1 | 5.5 | | .1 | | | | | | | | | | | | | | 62 | 62 | 43 | 65 | | | |
| 30 / 29 | 3.2 | 1.6 | .3 | | | | | | | | | | | | | | | 48 | 48 | 84 | 57 | | | |
| 28 / 27 | 1.9 | 1.2 | | | | | | | | | | | | | | | | 29 | 29 | 31 | 53 | | | |
| 26 / 25 | 1.3 | 2.4 | | | | | | | | | | | | | | | | 32 | 32 | 30 | 36 | | | |
| 24 / 23 | .4 | .6 | | | | | | | | | | | | | | | | 11 | 11 | 22 | 24 | | | |
| 22 / 21 | .8 | .9 | | | | | | | | | | | | | | | | 15 | 15 | 14 | 32 | | | |
| 20 / 19 | .4 | .6 | | | | | | | | | | | | | | | | 10 | 10 | 12 | 17 | | | |
| 18 / 17 | .3 | .1 | | | | | | | | | | | | | | | | 4 | 4 | 6 | 10 | | | |
| 16 / 15 | | .3 | | | | | | | | | | | | | | | | 3 | 3 | 3 | 7 | | | |
| 14 / 13 | | | | | | | | | | | | | | | | | | | | 1 | 9 | | | |
| 12 / 11 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 10 / 9 | | | | | | | | | | | | | | | | | | | | | 6 | | | |
| Element (X) | Σ x' | | Σ x | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 84 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

OCT

YEARS

0300-0500

HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

120227

WATERTOWN NY

74-83

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|---|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | TOTAL | | | | | |
| 74 / 73 | | | | .1 | | .1 | | | | | | | | | | | | 2 | 74 | 73 | | 2 | | | | | |
| 72 / 71 | | | | .1 | .3 | | | | | | | | | | | | | 5 | 72 | 71 | | 5 | | | | | |
| 70 / 69 | | | .1 | .2 | | | | | | | | | | | | | | 3 | 70 | 69 | | 3 | | | | | |
| 68 / 67 | | .1 | .1 | .1 | | | | | | | | | | | | | | 3 | 68 | 67 | 2 | 3 | | | | | |
| 67 / 65 | | .3 | .4 | .3 | | | | | | | | | | | | | | 9 | 67 | 65 | 6 | 9 | | | | | |
| 64 / 63 | .1 | .3 | .1 | .4 | | | | | | | | | | | | | | 9 | 64 | 63 | 8 | 9 | | | | | |
| 62 / 61 | .1 | 1.0 | .9 | .2 | .2 | | | | | | | | | | | | | 21 | 62 | 61 | 8 | 21 | | | | | |
| 60 / 59 | .1 | .9 | .3 | .5 | .5 | .2 | | | | | | | | | | | | 29 | 60 | 59 | 17 | 29 | | | | | |
| 57 / 57 | .1 | 1.2 | .6 | .8 | .6 | .1 | .1 | | | | | | | | | | | 33 | 57 | 57 | 24 | 33 | | | | | |
| 56 / 55 | .2 | 1.7 | 1.0 | .3 | .4 | .1 | | | | | | | | | | | | 37 | 56 | 55 | 25 | 37 | | | | | |
| 54 / 53 | .4 | 1.5 | .8 | .9 | .1 | | | | | | | | | | | | | 34 | 54 | 53 | 32 | 34 | | | | | |
| 52 / 51 | .8 | 1.9 | 1.9 | .9 | .6 | .1 | | | | | | | | | | | | 57 | 52 | 51 | 42 | 57 | | | | | |
| 50 / 49 | .4 | 2.4 | 1.9 | .3 | .3 | | | | | | | | | | | | | 50 | 50 | 49 | 35 | 50 | | | | | |
| 48 / 47 | .1 | 4.1 | 1.7 | 1.0 | .2 | | | | | | | | | | | | | 66 | 48 | 47 | 37 | 66 | | | | | |
| 46 / 45 | .3 | 4.6 | 2.3 | .2 | .1 | | | | | | | | | | | | | 70 | 46 | 45 | 56 | 70 | | | | | |
| 44 / 43 | .5 | 3.3 | 1.3 | .4 | | | | | | | | | | | | | | 49 | 44 | 43 | 77 | 49 | | | | | |
| 42 / 41 | .9 | 3.8 | 1.1 | .2 | | | | | | | | | | | | | | 55 | 42 | 41 | 66 | 55 | | | | | |
| 40 / 39 | 1.9 | 3.0 | 2.2 | | .1 | | | | | | | | | | | | | 67 | 40 | 39 | 74 | 67 | | | | | |
| 38 / 37 | 1.7 | 2.8 | 1.2 | .3 | | | | | | | | | | | | | | 56 | 38 | 37 | 62 | 56 | | | | | |
| 36 / 35 | 1.6 | 2.0 | .6 | .3 | | | | | | | | | | | | | | 43 | 36 | 35 | 61 | 43 | | | | | |
| 34 / 33 | 1.0 | 2.9 | .8 | .3 | | | | | | | | | | | | | | 46 | 34 | 33 | 47 | 46 | | | | | |
| 32 / 31 | 1.8 | 4.1 | .1 | .2 | | | | | | | | | | | | | | 58 | 32 | 31 | 78 | 58 | | | | | |
| 30 / 29 | 2.8 | 1.5 | | | | | | | | | | | | | | | | 40 | 30 | 29 | 48 | 40 | | | | | |
| 28 / 27 | 1.5 | .6 | .2 | | | | | | | | | | | | | | | 22 | 28 | 27 | 48 | 22 | | | | | |
| 26 / 25 | 1.3 | 1.5 | .2 | | | | | | | | | | | | | | | 28 | 26 | 25 | 42 | 28 | | | | | |
| 24 / 23 | .4 | .9 | | | | | | | | | | | | | | | | 12 | 24 | 23 | 16 | 12 | | | | | |
| 22 / 21 | .4 | .2 | | | | | | | | | | | | | | | | 6 | 22 | 21 | 17 | 6 | | | | | |
| 20 / 19 | .5 | .1 | | | | | | | | | | | | | | | | 6 | 20 | 19 | 20 | 6 | | | | | |
| 18 / 17 | .3 | .4 | | | | | | | | | | | | | | | | 7 | 18 | 17 | 12 | 7 | | | | | |
| 16 / 15 | .1 | .2 | | | | | | | | | | | | | | | | 3 | 16 | 15 | 5 | 3 | | | | | |
| 14 / 13 | | .3 | | | | | | | | | | | | | | | | 3 | 14 | 13 | 4 | 3 | | | | | |
| 12 / 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 / 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 / 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ x' | | Σ x | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

PSYCHROMETRIC SUMMARY

OCT
MONTH

PAGE 2

0600-0800
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

OCT

YEARS

MONTH

0900-1100

HOURS (L, S, T,)

[illegible]

PSYCHROMETRIC SUMMARY

74-83

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 2

3900-1100

HOURS (L, S, T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) JAN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

74-83

OCT

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

720227

WATERTOWN NY

74-83

OCT

MONTH

PAGE 2

1200-1400

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 17 / 17 | | | | | | | | | | | | | | | | | | | | | | 3 |
| 16 / 13 | | | | | | | | | | | | | | | | | | | | | | 3 |
| 17 / 11 | | | | | | | | | | | | | | | | | | | | | | 2 |
| 10 / 9 | | | | | | | | | | | | | | | | | | | | | | 2 |
| 7 / 7 | | | | | | | | | | | | | | | | | | | | | | 1 |
| 7 / 5 | | | | | | | | | | | | | | | | | | | | | | 2 |
| TAL | 3.5 | 16.7 | 14.6 | 21.9 | 22.4 | 19.2 | 6.6 | 2.8 | 1.1 | .2 | | | | | | | | 923 | 937 | | 923 | |

| Element (X) | Σx' | Σx | R | σ _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|---------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 4202574 | 60204 | 65.2 | 17.292 | 923 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 2795800 | 50158 | 53.9 | 9.876 | 930 | | .3 | 11.6 | 4.4 | .9 | | 93 |
| Wet Bulb | 2193530 | 44310 | 48.0 | 8.484 | 923 | | 2.2 | 1.3 | | | | 93 |
| Dew Point | 1698673 | 38423 | 41.6 | 10.372 | 923 | | 19.6 | | | | | 93 |

CLERICAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

740227 WATER TOWN NY
STATION STATION NAME

74-83
YEARS

OCT
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------------|----------|-------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|-------|-------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 47 / 83 | | | | | | | .1 | .1 | | | | | | | | | | 2 | 2 | | |
| 57 / 91 | | | | | | | .1 | | | | | | | | | | | 1 | 1 | | |
| 77 / 79 | | | | | | .1 | | .2 | | | | | | | | | | 3 | 3 | | |
| 77 / 77 | | | | | .1 | | .1 | .1 | | | | | | | | | | 3 | 3 | | |
| 76 / 75 | | | | | | .1 | .3 | .3 | .2 | .1 | | | | | | | | 10 | 10 | | |
| 74 / 73 | | | .1 | | .4 | .4 | .3 | .1 | | | | | | | | | | 13 | 13 | | |
| 72 / 71 | | | | .5 | .2 | .4 | .8 | .2 | .1 | | | | | | | | | 23 | 23 | 2 | |
| 71 / 69 | | | .4 | .3 | .3 | .4 | .4 | .2 | .2 | .2 | | | | | | | | 22 | 22 | 4 | |
| 67 / 67 | | | | .2 | .3 | .1 | .8 | | .1 | .1 | | | | | | | | 15 | 16 | 2 | 1 |
| 67 / 65 | | .9 | .2 | .9 | .6 | .6 | .2 | | | | | | | | | | | 32 | 32 | 16 | 2 |
| 47 / 63 | | .5 | .3 | .9 | .4 | .9 | .2 | .2 | .1 | | | | | | | | | 34 | 34 | 22 | 14 |
| 57 / 61 | | | .1 | 1.7 | 1.0 | 1.1 | .1 | .3 | | | | | | | | | | 40 | 40 | 31 | 13 |
| 77 / 59 | | .8 | 1.3 | 1.5 | 1.1 | 1.4 | .4 | .3 | .1 | | | | | | | | | 64 | 64 | 25 | 10 |
| 57 / 57 | | 1.1 | 1.3 | .9 | 1.6 | .9 | .5 | .2 | .1 | | | | | | | | | 60 | 60 | 41 | 20 |
| 57 / 55 | | .8 | .5 | 1.6 | .9 | 1.4 | .2 | | | | | | | | | | | 50 | 50 | 55 | 31 |
| 47 / 53 | | 1.6 | 1.4 | 2.5 | .9 | 1.1 | .4 | | | | | | | | | | | 72 | 72 | 50 | 34 |
| 72 / 51 | 1.1 | 1.2 | 3.1 | 3.1 | 1.4 | .5 | | | | | | | | | | | | 96 | 96 | 67 | 63 |
| 57 / 49 | .6 | 1.4 | 1.3 | 3.3 | 2.6 | 1.2 | .1 | | | | | | | | | | | 103 | 103 | 90 | 53 |
| 77 / 47 | .2 | 1.3 | 1.7 | .9 | 1.9 | .5 | .1 | | | | | | | | | | | 55 | 55 | 51 | 51 |
| 47 / 45 | .3 | 1.6 | 1.3 | 1.3 | 1.5 | .1 | | | | | | | | | | | | 54 | 56 | 89 | 62 |
| 74 / 43 | .5 | 1.4 | 1.3 | 2.6 | 1.6 | .1 | | | | | | | | | | | | 67 | 67 | 81 | 77 |
| 62 / 41 | .1 | 1.1 | 1.3 | 1.8 | | | | | | | | | | | | | | 45 | 46 | 68 | 68 |
| 47 / 39 | .8 | .4 | .4 | .4 | .1 | .1 | | | | | | | | | | | | 27 | 27 | 75 | 55 |
| 37 / 37 | .1 | .1 | .6 | .6 | | .1 | | | | | | | | | | | | 17 | 17 | 57 | 67 |
| 77 / 35 | | .1 | | .2 | .5 | | | | | | | | | | | | | 8 | 8 | 35 | 50 |
| 37 / 33 | | .1 | .1 | .2 | .1 | | | | | | | | | | | | | 7 | 7 | 13 | 41 |
| 72 / 31 | | | .3 | | | | | | | | | | | | | | | 3 | 3 | 6 | 61 |
| 77 / 29 | | | | | | | | | | | | | | | | | | | | 5 | 53 |
| 57 / 27 | | | | | | | | | | | | | | | | | | | | 8 | 35 |
| 77 / 25 | | | | | | | | | | | | | | | | | | | | 3 | 30 |
| 77 / 23 | | | | | | | | | | | | | | | | | | | | | 7 |
| 72 / 21 | | | | | | | | | | | | | | | | | | | | | 11 |
| 77 / 19 | | | | | | | | | | | | | | | | | | | | | 3 |
| 77 / 17 | | | | | | | | | | | | | | | | | | | | | 2 |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | σ_x | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | |
| Rel. Hum. | | | | | | | | | $\leq 0 F$ | $\leq 32 F$ | $\geq 67 F$ | $\geq 73 F$ | $\geq 80 F$ | $\geq 93 F$ | | Total | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26.5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

74-83

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700

HOURS (L - S - T -)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 14 / 13 | | | | | | | | | | | | | | | | | | | | | 2 | |
| 12 / 11 | | | | | | | | | | | | | | | | | | | | | 6 | |
| 11 / 9 | | | | | | | | | | | | | | | | | | | | | 1 | |
| 8 / 7 | | | | | | | | | | | | | | | | | | | | | 3 | |
| TOTAL | 3.7 | 14.9 | 17.4 | 25.8 | 17.8 | 11.8 | 5.3 | 2.4 | 1.0 | .4 | | | | | | | | | 926 | 930 | 926 | |
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATM WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726727
STATION

WATERTOWN NY
STATION NAME

74-83
YEARS

OCT
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 76/ 75 | | | | | .1 | | | | | | | | | | | | | 3 | 3 | | | | | | |
| 74/ 73 | | | | | .3 | .1 | | | | | | | | | | | | 2 | 2 | | | | | | |
| 72/ 71 | | | | | .3 | .3 | .1 | | | | | | | | | | | 9 | 9 | | | | | | |
| 70/ 69 | | | | | .2 | .3 | .2 | .1 | | | | | | | | | | 8 | 8 | | | | | | |
| 68/ 67 | | | | .1 | .2 | .1 | .1 | | | | | | | | | | | 5 | 5 | | 4 | | | | |
| 66/ 65 | | .3 | .1 | .3 | .1 | .2 | | | | | | | | | | | | 10 | 10 | | 6 | | | | |
| 64/ 63 | | .4 | .8 | .5 | .3 | .2 | .1 | | | | | | | | | | | 22 | 22 | | 8 | | | | |
| 62/ 61 | | .2 | .2 | .8 | .4 | .2 | .5 | .1 | | | | | | | | | | 23 | 23 | 10 | 7 | | | | |
| 60/ 59 | | 1.1 | 1.2 | .6 | .8 | .1 | .2 | .1 | | | | | | | | | | 38 | 38 | 21 | 11 | | | | |
| 58/ 57 | .1 | .9 | 1.6 | 1.0 | .6 | .3 | .2 | .1 | | | | | | | | | | 45 | 45 | 20 | 17 | | | | |
| 56/ 55 | .2 | 1.2 | 1.8 | .9 | .3 | | | | | | | | | | | | | 41 | 41 | 40 | 18 | | | | |
| 54/ 53 | .4 | 1.1 | 1.9 | .4 | .4 | | | | | | | | | | | | | 40 | 40 | 45 | 30 | | | | |
| 52/ 51 | .4 | 2.6 | 3.3 | .9 | | .1 | | | | | | | | | | | | 68 | 68 | 54 | 43 | | | | |
| 50/ 49 | .8 | 2.4 | 2.0 | 1.4 | .2 | .2 | | | | | | | | | | | | 65 | 65 | 69 | 60 | | | | |
| 48/ 47 | .2 | 3.3 | 1.5 | 2.2 | 1.1 | | | | | | | | | | | | | 77 | 77 | 81 | 57 | | | | |
| 46/ 45 | .8 | 3.2 | 2.5 | 1.1 | .5 | | | | | | | | | | | | | 75 | 75 | 61 | 69 | | | | |
| 44/ 43 | .1 | 4.5 | 2.2 | 1.6 | .4 | | | | | | | | | | | | | 82 | 82 | 61 | 60 | | | | |
| 42/ 41 | .8 | 2.8 | 2.3 | 2.0 | .3 | | | | | | | | | | | | | 76 | 76 | 100 | 58 | | | | |
| 40/ 39 | .3 | 3.0 | 2.7 | 1.4 | | | | | | | | | | | | | | 69 | 69 | 65 | 62 | | | | |
| 38/ 37 | .8 | 2.6 | 1.6 | .5 | | | | | | | | | | | | | | 51 | 51 | 78 | 67 | | | | |
| 36/ 35 | .2 | 1.8 | 1.8 | .1 | | | | | | | | | | | | | | 37 | 37 | 73 | 73 | | | | |
| 34/ 33 | .8 | 2.0 | 1.4 | | | | | | | | | | | | | | | 39 | 39 | 48 | 51 | | | | |
| 32/ 31 | .2 | 2.3 | .3 | .3 | .1 | | | | | | | | | | | | | 30 | 30 | 38 | 77 | | | | |
| 30/ 29 | | .3 | | .3 | | | | | | | | | | | | | | 6 | 6 | 27 | 43 | | | | |
| 28/ 27 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 5 | 42 | | | | |
| 26/ 25 | | .2 | .1 | | | | | | | | | | | | | | | 3 | 3 | 6 | 36 | | | | |
| 24/ 23 | .1 | .2 | | | | | | | | | | | | | | | | 3 | 3 | 5 | 19 | | | | |
| 22/ 21 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 3 | 6 | | | | |
| 20/ 19 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 2 | 2 | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 4 | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 4 | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 3 | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 4 | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σx' | | Σx | | Σ | | Σ _n | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 86 F | ≥ 93 F | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

CCT

MONTH

1800-2000

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

OCT

2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

726227

WATERTOWN NY

74-83

OCT

MONTH

PAGE 2

ALL

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

NOV

MONTH

0300-0500

HOURS (L. S. T.)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726227

WATERTOWN NY

74-83

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|----------------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-----|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 67/ 67 | | | | .2 | | | | | | | | | | | | | | 2 | 7 | | | | | |
| 66/ 65 | | | .1 | .3 | .2 | | | | | | | | | | | | | 7 | 7 | | | | | |
| 64/ 63 | | .5 | .3 | .3 | .1 | | | | | | | | | | | | | 11 | 11 | 2 | | | | |
| 62/ 61 | | .1 | .1 | | .3 | | | | | | | | | | | | | 5 | 5 | 7 | 3 | | | |
| 61/ 59 | | .1 | .7 | .1 | | | | | | | | | | | | | | 8 | 8 | 7 | 4 | | | |
| 61/ 57 | | .2 | .1 | | .3 | | | | | | | | | | | | | 6 | 6 | 11 | 3 | | | |
| 59/ 55 | | .5 | .3 | | | | | | | | | | | | | | | 7 | 7 | 8 | 9 | | | |
| 54/ 53 | .3 | .6 | .5 | .8 | .5 | | | | | | | | | | | | | 23 | 23 | 11 | 13 | | | |
| 52/ 51 | .2 | .8 | 1.0 | .1 | .2 | .1 | | | | | | | | | | | | 22 | 22 | 8 | 13 | | | |
| 50/ 49 | .3 | 1.3 | .4 | .8 | .1 | | | | | | | | | | | | | 30 | 30 | 21 | 15 | | | |
| 47/ 47 | .3 | 2.0 | .6 | .5 | .2 | .2 | | | | | | | | | | | | 33 | 33 | 31 | 8 | | | |
| 45/ 45 | .6 | 1.9 | 1.4 | .3 | .1 | .3 | | | | | | | | | | | | 40 | 40 | 37 | 27 | | | |
| 44/ 43 | .9 | 2.6 | .7 | .2 | | | | | | | | | | | | | | 38 | 38 | 40 | 41 | | | |
| 42/ 41 | .8 | 3.8 | 1.7 | 1.3 | | | | | | | | | | | | | | 66 | 66 | 46 | 31 | | | |
| 41/ 39 | 1.4 | 4.2 | 2.1 | .7 | | | | | | | | | | | | | | 72 | 76 | 58 | 51 | | | |
| 37/ 37 | 1.2 | 4.9 | 1.7 | .8 | | | | | | | | | | | | | | 74 | 80 | 76 | 49 | | | |
| 35/ 35 | 1.4 | 3.1 | 1.7 | .3 | | | | | | | | | | | | | | 57 | 61 | 79 | 69 | | | |
| 34/ 33 | 2.6 | 2.7 | 1.3 | | | | | | | | | | | | | | | 56 | 60 | 74 | 68 | | | |
| 27/ 31 | 1.2 | 6.2 | 1.4 | | | | | | | | | | | | | | | 75 | 80 | 51 | 67 | | | |
| 30/ 29 | 1.4 | 1.7 | .9 | | | | | | | | | | | | | | | 35 | 37 | 71 | 54 | | | |
| 27/ 27 | 1.8 | 2.4 | .5 | | | | | | | | | | | | | | | 39 | 40 | 44 | 55 | | | |
| 26/ 25 | 1.4 | 2.7 | .3 | | | | | | | | | | | | | | | 38 | 39 | 42 | 63 | | | |
| 24/ 23 | .7 | 1.2 | | | | | | | | | | | | | | | | 16 | 19 | 33 | 25 | | | |
| 22/ 21 | 1.7 | .9 | | | | | | | | | | | | | | | | 23 | 27 | 20 | 41 | | | |
| 19/ 19 | 1.5 | 1.1 | .1 | | | | | | | | | | | | | | | 23 | 24 | 23 | 48 | | | |
| 17/ 17 | .8 | .6 | .2 | | | | | | | | | | | | | | | 14 | 17 | 15 | 28 | | | |
| 17/ 15 | 1.2 | .3 | | | | | | | | | | | | | | | | 13 | 14 | 14 | 24 | | | |
| 14/ 13 | 1.2 | .6 | | | | | | | | | | | | | | | | 15 | 15 | 14 | 13 | | | |
| 11/ 11 | .1 | .3 | | | | | | | | | | | | | | | | 4 | 4 | 6 | 9 | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | 3 | 6 | | | |
| 7/ 7 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 5 | | | |
| 7/ 5 | .5 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 9 | | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 6 | | | |
| 1/ 1 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Element (X) | ΣX ² | | ΣX | | ̄X | σ _n | No. Obs. | | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | |
| Rel. Hum. | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

| MOUSE | (S. T.) |
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USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

74-83

NDV

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100
HOURS 11-5-74

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

0900-1102

HOURS (L, S, T)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | TOTAL | | |
|--------------|-------------------------------------|----------------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | 860 | | | 860 | | | | | | | | | | | | | | | | |
| TOTAL | 13.537.725.914.7 5.5 1.9 .8 | | | | | | | | | | | | | | | | | 860 | | | 860 | | | | | | | | | | | | | | | | |
| Element (X) | Z _X | Z _X | X | °F | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 5258810 | 65990 | 76.7 | 15.076 | 860 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 157063 | 36287 | 40.4 | 10.784 | 898 | | 21.7 | .8 | .1 | | | 90 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 130720 | 32435 | 37.7 | 9.884 | 960 | | 28.0 | | | | | 90 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | 1062006 | 28754 | 33.4 | 10.823 | 860 | | 42.3 | | | | | 90 | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

NOV

YEARS

1200-1400

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

77-227

WATERTOWN NY

74-83

NGV

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1200-1400

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

NOV
MONTH

1500-1700
HOURS (L. S. Y.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| TOTAL | 9.4 | 30.7 | 27.6 | 20.3 | 6.9 | 3.6 | 1.0 | | .2 | .2 | | | | | | | | 851 | 897 | 861 | 861 | | | |
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USAFETAC
FORM 0-26-5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72227

WATERTOWN NY

74-83

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | |
| 67 / 67 | | | | .1 | .1 | | | | | | | | | | | | | 2 | 2 | | | | | | | | |
| 66 / 65 | | | | .3 | | | | | | | | | | | | | | 3 | 3 | | | | | | | | |
| 64 / 63 | | | | .3 | | | | | | | | | | | | | | 3 | 3 | | | | | | | | |
| 62 / 61 | | | .1 | .1 | .3 | | | | | | | | | | | | | 5 | 5 | 2 | | | | | | | |
| 60 / 59 | | .3 | .5 | .3 | .1 | .1 | | | | | | | | | | | | 13 | 13 | 4 | | | | | | | |
| 58 / 57 | | .2 | 1.4 | .2 | .3 | | | | | | | | | | | | | 19 | 19 | 8 | 2 | | | | | | |
| 56 / 55 | .1 | .9 | .2 | | .2 | | | | .3 | | | | | | | | | 12 | 12 | 12 | 8 | | | | | | |
| 54 / 53 | .2 | .9 | 1.5 | .5 | .2 | .2 | | | | | | | | | | | | 31 | 31 | 21 | 14 | | | | | | |
| 52 / 51 | .1 | 1.4 | .9 | .5 | .3 | .1 | | | | | | | | | | | | 28 | 23 | 23 | 18 | | | | | | |
| 50 / 49 | | 2.2 | .8 | .2 | .1 | | | | | | | | | | | | | 29 | 29 | 29 | 27 | | | | | | |
| 48 / 47 | 1.0 | 1.7 | .1 | .7 | | | | | | | | | | | | | | 31 | 31 | 40 | 32 | | | | | | |
| 46 / 45 | 1.0 | 2.3 | 2.5 | .9 | .2 | | | | | | | | | | | | | 61 | 61 | 35 | 29 | | | | | | |
| 44 / 43 | 1.4 | 3.5 | 2.2 | .9 | | | | | | | | | | | | | | 69 | 69 | 48 | 41 | | | | | | |
| 42 / 41 | .2 | 2.7 | 2.9 | .9 | | | | | | | | | | | | | | 58 | 61 | 61 | 32 | | | | | | |
| 40 / 39 | .2 | 3.6 | 2.8 | 1.6 | .3 | | | | | | | | | | | | | 74 | 77 | 59 | 40 | | | | | | |
| 38 / 37 | 1.4 | 2.4 | 1.7 | .9 | .1 | | | | | | | | | | | | | 57 | 63 | 78 | 61 | | | | | | |
| 36 / 35 | 2.7 | 3.4 | 2.1 | .5 | | | | | | | | | | | | | | 74 | 77 | 64 | 72 | | | | | | |
| 34 / 33 | 1.3 | 3.2 | 4.1 | .1 | | | | | | | | | | | | | | 75 | 77 | 84 | 66 | | | | | | |
| 32 / 31 | .8 | 6.4 | 1.7 | .2 | | | | | | | | | | | | | | 78 | 83 | 62 | 61 | | | | | | |
| 30 / 29 | .2 | 2.2 | 1.4 | .1 | | | | | | | | | | | | | | 34 | 39 | 80 | 59 | | | | | | |
| 28 / 27 | .7 | 1.4 | .3 | | | | | | | | | | | | | | | 25 | 28 | 42 | 40 | | | | | | |
| 26 / 25 | .6 | 1.2 | .1 | | | | | | | | | | | | | | | 16 | 19 | 32 | 77 | | | | | | |
| 24 / 23 | .3 | .6 | .1 | | | | | | | | | | | | | | | 9 | 10 | 18 | 34 | | | | | | |
| 22 / 21 | .5 | 1.3 | .5 | | | | | | | | | | | | | | | 19 | 21 | 11 | 30 | | | | | | |
| 20 / 19 | .8 | 2.0 | | | | | | | | | | | | | | | | 24 | 25 | 23 | 39 | | | | | | |
| 18 / 17 | .1 | .5 | | | | | | | | | | | | | | | | 5 | 5 | 15 | 23 | | | | | | |
| 16 / 15 | .6 | .5 | | | | | | | | | | | | | | | | 9 | 9 | 10 | 12 | | | | | | |
| 14 / 13 | | | | | | | | | | | | | | | | | | | | 2 | 16 | | | | | | |
| 12 / 11 | | | | | | | | | | | | | | | | | | | | | 16 | | | | | | |
| 10 / 9 | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | |
| 8 / 7 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | |
| 6 / 5 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| TOTAL | 13.445 | 428.0 | 9.7 | 2.5 | .5 | | | | .3 | | | | | | | | | 863 | 900 | 863 | 863 | | | | | | |
| Element (X) | Σx' | Σx | X | Σx | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | | | | | | | | | |
| Rel. Hum. | 5553900 | 68242 | 79.1 | 13.523 | 863 | ≤ 0 F | ≤ 32 F | ≥ 47 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | 90 | | | | | | | | | | | |
| Dry Bulb | 1437154 | 34844 | 38.7 | 9.902 | 900 | | | | | 23.9 | .2 | | | | | 90 | | | | | | | | | | | |
| Wet Bulb | 1227051 | 31521 | 36.5 | 9.374 | 863 | | | | | 30.8 | | | | | | 90 | | | | | | | | | | | |
| Dew Point | 1020050 | 28214 | 32.7 | 10.644 | 863 | | | | | 43.9 | | | | | | 90 | | | | | | | | | | | |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

170227
STATION

WATER TOWN NY

74-83

NOV

PAGE 1 2100-2300

HOURS (L, S, T,)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|------|----------------|-----|------------|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|--|--|--|--|--|--|--|--|-------|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 67 / 67 | | | | .1 | .2 | | | | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | | | | |
| 66 / 65 | | | | .2 | .1 | | | | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | | | | |
| 64 / 63 | | | | .2 | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | | |
| 62 / 61 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| 59 / 59 | | .2 | .4 | .6 | | | | | | | | | | | | | | 16 | 16 | 5 | | | | | | | | | | | | | | | | |
| 57 / 57 | | .6 | .9 | .1 | | | | | | | | | | | | | | 14 | 14 | 6 | | | | | | | | | | | | | | | | |
| 55 / 55 | .6 | 1.3 | .4 | .3 | .6 | | | .1 | .1 | | | | | | | | | 30 | 30 | 19 | 15 | | | | | | | | | | | | | | | |
| 54 / 53 | .1 | .3 | .6 | .7 | .3 | .1 | | .1 | | | | | | | | | | 20 | 20 | 26 | 15 | | | | | | | | | | | | | | | |
| 52 / 51 | | 1.3 | .4 | .1 | .1 | | | | | | | | | | | | | 22 | 22 | 10 | 15 | | | | | | | | | | | | | | | |
| 50 / 49 | .1 | 2.0 | .3 | .8 | | .1 | | | | | | | | | | | | 29 | 29 | 27 | 25 | | | | | | | | | | | | | | | |
| 47 / 47 | .6 | 1.5 | .6 | .2 | | | | | | | | | | | | | | 25 | 25 | 31 | 27 | | | | | | | | | | | | | | | |
| 45 / 45 | 1.3 | 2.7 | 1.2 | .6 | .2 | | | | | | | | | | | | | 49 | 49 | 39 | 35 | | | | | | | | | | | | | | | |
| 44 / 43 | .3 | 3.1 | 1.9 | 1.3 | .3 | | | | | | | | | | | | | 60 | 63 | 42 | 25 | | | | | | | | | | | | | | | |
| 42 / 41 | .6 | 3.9 | 2.4 | 1.2 | .2 | .2 | | | | | | | | | | | | 73 | 73 | 51 | 27 | | | | | | | | | | | | | | | |
| 40 / 39 | .5 | 2.7 | 2.7 | 1.2 | .1 | | | | | | | | | | | | | 61 | 66 | 59 | 54 | | | | | | | | | | | | | | | |
| 38 / 37 | 1.3 | 3.0 | 1.7 | .3 | | | | | | | | | | | | | | 55 | 59 | 70 | 48 | | | | | | | | | | | | | | | |
| 35 / 35 | 2.3 | 4.4 | 1.6 | .1 | | | | | | | | | | | | | | 73 | 74 | 78 | 67 | | | | | | | | | | | | | | | |
| 34 / 33 | .6 | 5.3 | 2.0 | .1 | | | | | | | | | | | | | | 69 | 71 | 76 | 50 | | | | | | | | | | | | | | | |
| 32 / 31 | 1.2 | 4.1 | 2.4 | .1 | | | | | | | | | | | | | | 67 | 72 | 69 | 85 | | | | | | | | | | | | | | | |
| 30 / 29 | .5 | 2.4 | .9 | | | | | | | | | | | | | | | 33 | 37 | 46 | 66 | | | | | | | | | | | | | | | |
| 28 / 27 | 1.2 | 2.8 | .3 | | | | | | | | | | | | | | | 37 | 40 | 54 | 43 | | | | | | | | | | | | | | | |
| 26 / 25 | .5 | 1.9 | .7 | | | | | | | | | | | | | | | 26 | 30 | 38 | 56 | | | | | | | | | | | | | | | |
| 24 / 23 | .7 | .8 | | | | | | | | | | | | | | | | 13 | 18 | 21 | 29 | | | | | | | | | | | | | | | |
| 22 / 21 | 1.3 | 1.0 | .2 | | | | | | | | | | | | | | | 22 | 22 | 24 | 39 | | | | | | | | | | | | | | | |
| 20 / 19 | 1.3 | 1.0 | .5 | | | | | | | | | | | | | | | 24 | 25 | 21 | 53 | | | | | | | | | | | | | | | |
| 18 / 17 | .9 | .9 | | | | | | | | | | | | | | | | 16 | 18 | 19 | 19 | | | | | | | | | | | | | | | |
| 16 / 15 | .7 | .7 | | | | | | | | | | | | | | | | 12 | 12 | 15 | 17 | | | | | | | | | | | | | | | |
| 14 / 13 | .3 | | | | | | | | | | | | | | | | | 3 | 3 | 7 | 18 | | | | | | | | | | | | | | | |
| 12 / 11 | .3 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 14 | | | | | | | | | | | | | | | |
| 10 / 9 | | | | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | | | |
| 8 / 7 | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | | | |
| 6 / 5 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| TOTAL | 16.8 | 48.0 | 23.1 | 8.7 | 2.6 | .5 | | .2 | .1 | | | | | | | | | 861 | 900 | 861 | 861 | | | | | | | | | | | | | | | |
| Element (X) | Z _g | | Z _g | | T | | e _s | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 5740707 | | 69375 | | 80.613.243 | | | | 861 | | ≤ 6 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | | | | | | |
| Dry Bulb | 1372645 | | 33825 | | 37.610.620 | | | | 900 | | | | 28.0 | | .3 | | | | | | | | 90 | | | | | | | | | | | | | |
| Wet Bulb | 1180150 | | 30710 | | 35.79.929 | | | | 861 | | | | 33.1 | | | | | | | | | | 97 | | | | | | | | | | | | | |
| Dew Point | 988163 | | 27627 | | 32.110.874 | | | | 861 | | | | 47.9 | | | | | | | | | | 90 | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

74-83

NOV

MONTH

PAGE 2

ALL
HOURS L. S.

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|----------------|------------|----------------|----------|------------------------------------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| / 5 | .1 | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 31 | | |
| - / 3 | | | | | | | | | | | | | | | | | | | | | | 19 | | |
| / 1 | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| TOTAL | 15.8 | 42.1 | 23.3 | 12.0 | 4.3 | 1.7 | .6 | .1 | .1 | .1 | | | | | | | | | 7184 | | 6878 | | | |
| | | | | | | | | | | | | | | | | | | | 6878 | | 6878 | | | |
| Element (X) | Z _{x'} | Z _x | X | S _n | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | |
| Rel. Hum. | 43789081 | 539103 | 78.414.934 | 6878 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | |
| Dry Bulb | 11810591 | 280491 | 39.010.937 | 7184 | | 194.7 | 5.0 | .8 | | | 720 | | | | | | | | | | | | | |
| Wet Bulb | 9943236 | 252244 | 36.710.034 | 6878 | | 244.7 | | | | | 720 | | | | | | | | | | | | | |
| Dew Point | 8159900 | 224606 | 32.710.954 | 6878 | | 358.7 | | | | | 720 | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

726227
STATION

WATERTOWN NY

74-83

DEC

PAGE 1

0000-0200

HOURS (L - S - T.)

[illegible]

PSYCHROMETRIC SUMMARY

DEC

MONTH

0000-0200

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

720227

WATERTOWN NY

74-83

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 47/53 | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | |
| 50/59 | | | .1 | .2 | | | .2 | .1 | | | | | | | | | | 6 | 6 | | | | | | |
| 53/57 | | | | .1 | | | | | | | | | | | | | | 3 | 3 | | | | | | |
| 56/55 | | .1 | .1 | .2 | .2 | | | | | | | | | | | | | 6 | 6 | 4 | | | | | |
| 47/53 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | 1 | | | | | |
| 52/51 | | .1 | .3 | | | | | | | | | | | | | | | 4 | 4 | 5 | 6 | | | | |
| 57/49 | .2 | .2 | .4 | .2 | .2 | | | | | | | | | | | | | 12 | 12 | 8 | 3 | | | | |
| 45/47 | .1 | .3 | .9 | .1 | .1 | | | | | | | | | | | | | 14 | 14 | 11 | 5 | | | | |
| 47/45 | .1 | .4 | .2 | .2 | | | | | | | | | | | | | | 9 | 9 | 6 | 9 | | | | |
| 44/43 | .3 | .3 | | .3 | .1 | | | | | | | | | | | | | 10 | 10 | 18 | 9 | | | | |
| 42/41 | .1 | 1.1 | .2 | .2 | .2 | | | | | | | | | | | | | 17 | 17 | 10 | 5 | | | | |
| 40/39 | .5 | 1.3 | .5 | .3 | | | | | | | | | | | | | | 25 | 25 | 22 | 19 | | | | |
| 37/37 | .5 | 1.9 | 1.4 | .2 | | | | | | | | | | | | | | 40 | 40 | 19 | 24 | | | | |
| 37/35 | .9 | 2.7 | 1.5 | | | | | | | | | | | | | | | 47 | 47 | 48 | 26 | | | | |
| 34/33 | 1.2 | 5.4 | 1.3 | | | | | | | | | | | | | | | 73 | 73 | 69 | 29 | | | | |
| 32/31 | 1.3 | 4.6 | 2.4 | .5 | | | | | | | | | | | | | | 82 | 82 | 66 | 68 | | | | |
| 27/25 | 2.4 | 3.2 | 1.3 | .2 | | | | | | | | | | | | | | 66 | 66 | 67 | 66 | | | | |
| 27/27 | 1.1 | 4.5 | 1.0 | .1 | | | | | | | | | | | | | | 62 | 62 | 73 | 54 | | | | |
| 27/25 | 1.0 | 2.4 | .4 | | | | | | | | | | | | | | | 35 | 35 | 59 | 53 | | | | |
| 24/23 | .9 | 2.8 | .4 | | | | | | | | | | | | | | | 38 | 38 | 42 | 31 | | | | |
| 27/21 | 1.4 | 2.7 | .1 | | | | | | | | | | | | | | | 39 | 39 | 47 | 39 | | | | |
| 20/19 | 2.0 | 3.4 | | | | | | | | | | | | | | | | 54 | 54 | 53 | 62 | | | | |
| 17/17 | .9 | 1.7 | | | | | | | | | | | | | | | | 24 | 24 | 28 | 42 | | | | |
| 15/15 | 1.8 | 3.3 | | | | | | | | | | | | | | | | 48 | 48 | 40 | 66 | | | | |
| 14/13 | 1.6 | 1.1 | | | | | | | | | | | | | | | | 25 | 25 | 36 | 41 | | | | |
| 11/11 | 1.3 | 1.2 | | | | | | | | | | | | | | | | 23 | 23 | 25 | 48 | | | | |
| 9/9 | 1.0 | 1.8 | | | | | | | | | | | | | | | | 26 | 26 | 20 | 24 | | | | |
| 7/7 | 1.0 | .6 | | | | | | | | | | | | | | | | 15 | 15 | 26 | 27 | | | | |
| 5/5 | .8 | 1.1 | | | | | | | | | | | | | | | | 17 | 17 | 10 | 15 | | | | |
| 3/3 | 1.1 | 1.4 | | | | | | | | | | | | | | | | 23 | 23 | 27 | 18 | | | | |
| 2/1 | 1.9 | 1.2 | | | | | | | | | | | | | | | | 29 | 29 | 32 | 30 | | | | |
| 1/-1 | .8 | | | | | | | | | | | | | | | | | 7 | 7 | 9 | 14 | | | | |
| -1/-3 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 10 | | | | |
| -4/-5 | 1.3 | .4 | | | | | | | | | | | | | | | | 16 | 16 | 14 | 13 | | | | |
| Element (X) | Σ X ² | Σ X | X | c _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 2

0300-0500

HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | |
| - / -7 | .3 | | | | | | | | | | | | | | | | | 7 | 7 | 9 | 14 | | | | | | | | | | | |
| - / -9 | .5 | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 14 | | | | | | | | | | | |
| - / -11 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 4 | | | | | | | | | | | |
| -1 / -13 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | | | | | | | | | | | | |
| -1 / -15 | .4 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 7 | | | | | | | | | | | |
| -1 / -17 | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | |
| -1 / -19 | 1.1 | | | | | | | | | | | | | | | | | 10 | 13 | 10 | 13 | | | | | | | | | | | |
| -2 / -21 | .3 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 4 | | | | | | | | | | | |
| -2 / -23 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | |
| -2 / -27 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | |
| -2 / -29 | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | |
| TOTAL | 10.9 | 51.7 | 12.4 | 3.2 | 1.1 | .2 | .1 | | | | | | | | | | | | 930 | | 930 | | | | | | | | | | | |
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USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

74-83

DFC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM 0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

74-227
STATION

WATERTOWN NY
STATION NAME

74-83
YEARS

DFC
MONTH

PAGE 2

0600-0800
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| - / -9 | 1.1 | | | | | | | | | | | | | | | | | 10 | 10 | 10 | 10 | | | |
| -10/-11 | .5 | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 11 | | | |
| -11/-13 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 6 | | | |
| -13/-15 | .3 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 4 | | | |
| -17/-17 | | | | | | | | | | | | | | | | | | | | | 6 | | | |
| -17/-19 | .8 | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 10 | | | |
| -17/-21 | .4 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 5 | | | |
| -21/-23 | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| -23/-25 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 2 | | | |
| -27/-27 | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| -27/-29 | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| -30/-31 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 2 | | | |
| -31/-35 | | | | | | | | | | | | | | | | | | | 2 | | 1 | | | |
| -37/-39 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| TOTAL | 34.74 | 9.61 | 1.7 | 2.9 | 1.1 | | | | | | | | | | | | | 928 | 930 | 928 | 928 | | | |
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USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2.

1

WATERTOWN NY

74-83 .

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

[illegible]

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

DEC

MONTH

0900-1100

HOURS (L, S, T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

1000

USAFETAC

PSYCHROMETRIC SUMMARY

WATERTOWN NY

74-83

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 67 / 67 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | | | | |
| 66 / 65 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | | | | |
| 64 / 63 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | | | | |
| 61 / 59 | | | .1 | .2 | .1 | | | | | | | | | | | | | 4 | 4 | 1 | | | | |
| 58 / 57 | | | .1 | | .4 | .1 | .1 | | | | | | | | | | | 7 | 7 | 2 | | | | |
| 56 / 55 | | | .2 | .2 | .2 | | | | | | | | | | | | | 6 | 6 | 1 | | | | |
| 47 / 53 | | .3 | .5 | .2 | .3 | .1 | | | | | | | | | | | | 14 | 14 | 4 | 1 | | | |
| 52 / 51 | | .1 | .2 | | | | | | | | | | | | | | | 3 | 3 | 8 | 3 | | | |
| 50 / 49 | .3 | .1 | .2 | .2 | .1 | | | | | | | | | | | | | 9 | 9 | 13 | 14 | | | |
| 46 / 47 | | .5 | .2 | .1 | .2 | | | | | | | | | | | | | 10 | 10 | 12 | 4 | | | |
| 46 / 45 | .1 | .9 | .2 | .2 | | | | | | | | | | | | | | 15 | 15 | 8 | 5 | | | |
| 44 / 43 | .2 | .5 | .4 | | .2 | | | | | | | | | | | | | 15 | 15 | 21 | 15 | | | |
| 42 / 41 | .3 | 1.1 | 1.2 | 1.1 | | | | | | | | | | | | | | 34 | 34 | 13 | 21 | | | |
| 41 / 39 | .1 | .1 | 1.4 | .6 | .3 | | | | | | | | | | | | | 24 | 24 | 16 | 11 | | | |
| 37 / 37 | .2 | 3.8 | 1.5 | 1.5 | .3 | .1 | | | | | | | | | | | | 69 | 69 | 27 | 10 | | | |
| 34 / 35 | .8 | 4.0 | 2.4 | 1.0 | .1 | | | | | | | | | | | | | 76 | 76 | 66 | 27 | | | |
| 34 / 33 | 1.6 | 3.3 | 2.8 | 1.2 | | | | | | | | | | | | | | 83 | 83 | 85 | 41 | | | |
| 32 / 31 | 1.6 | 6.1 | 2.2 | 1.1 | | | | | | | | | | | | | | 102 | 102 | 83 | 80 | | | |
| 30 / 29 | 1.5 | 3.2 | 1.6 | .4 | | | | | | | | | | | | | | 63 | 63 | 99 | 58 | | | |
| 28 / 27 | .6 | 1.9 | 1.4 | .4 | | | | | | | | | | | | | | 38 | 38 | 66 | 74 | | | |
| 25 / 25 | 1.6 | 3.2 | 1.6 | .1 | | | | | | | | | | | | | | 63 | 63 | 64 | 71 | | | |
| 24 / 23 | .5 | 1.6 | .2 | | | | | | | | | | | | | | | 22 | 22 | 45 | 38 | | | |
| 22 / 21 | 1.0 | 1.4 | 1.2 | | | | | | | | | | | | | | | 38 | 38 | 44 | 50 | | | |
| 20 / 19 | 1.1 | 3.5 | 1.2 | | | | | | | | | | | | | | | 54 | 54 | 43 | 54 | | | |
| 17 / 17 | .4 | 2.5 | .4 | | | | | | | | | | | | | | | 31 | 31 | 41 | 41 | | | |
| 16 / 15 | .5 | 1.8 | .8 | | | | | | | | | | | | | | | 29 | 29 | 26 | 57 | | | |
| 14 / 13 | .4 | 1.2 | | | | | | | | | | | | | | | | 15 | 15 | 25 | 38 | | | |
| 12 / 11 | .6 | .9 | .1 | | | | | | | | | | | | | | | 15 | 15 | 22 | 35 | | | |
| 10 / 9 | .1 | 2.0 | .4 | | | | | | | | | | | | | | | 24 | 24 | 11 | 26 | | | |
| 7 / 7 | .1 | 1.3 | | | | | | | | | | | | | | | | 13 | 13 | 21 | 31 | | | |
| 5 / 5 | .3 | .9 | | | | | | | | | | | | | | | | 11 | 11 | 18 | 9 | | | |
| 4 / 3 | .1 | 1.1 | | | | | | | | | | | | | | | | 11 | 11 | 9 | 14 | | | |
| 2 / 1 | .1 | 1.1 | | | | | | | | | | | | | | | | 11 | 11 | 12 | 20 | | | |
| 0 / -1 | .5 | .1 | | | | | | | | | | | | | | | | 6 | 6 | 11 | 8 | | | |
| Element (X) | Σx ² | | Σx | | Σ | | Σ _n | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

DEC
MONTH

1200-1400
HOURS (L. S. T.)

[illegible]

0-26-5 (QLA)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

720227

WATERTOWN NY

74-83

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|----------------|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------|--|-------|--|--|--|--|--|--|--|---|--------------------|-------|----|----|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 67/65 | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | |
| 64/60 | | | | | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | | |
| 62/61 | | | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | | |
| 60/59 | | | .2 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | | |
| 57/57 | | .3 | | .1 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 2 | |
| 56/55 | | | .2 | .1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 8 | 2 |
| 47/53 | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 3 | 3 |
| 52/51 | .1 | .2 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 7 | 3 |
| 51/49 | .3 | .3 | .1 | .1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 9 | 10 |
| 46/47 | | .4 | .4 | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 6 | 7 |
| 46/45 | | .4 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 7 | 1 |
| 44/43 | .4 | .3 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 13 | 13 |
| 42/41 | .1 | .9 | 1.2 | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | 10 | 9 |
| 40/39 | .2 | 1.5 | 1.4 | .5 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 39 | 39 | 15 | 12 |
| 39/37 | 1.3 | 2.9 | 1.8 | 1.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 66 | 66 | 47 | 18 |
| 38/35 | .9 | 4.5 | 3.2 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 91 | 91 | 56 | 31 |
| 34/33 | 1.0 | 4.3 | 2.8 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 85 | 85 | 93 | 47 |
| 32/31 | 1.2 | 6.6 | 2.6 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 106 | 106 | 88 | 73 |
| 31/29 | 1.5 | 2.3 | 1.8 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 52 | 52 | 97 | 71 |
| 27/27 | 1.6 | 2.7 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 51 | 51 | 66 | 67 |
| 26/25 | 1.3 | 4.2 | 1.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 61 | 61 | 61 | 78 |
| 24/23 | .8 | 1.5 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 57 | 28 |
| 22/21 | .6 | 1.7 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 32 | 46 |
| 20/19 | 1.0 | 4.5 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 62 | 62 | 37 | 69 |
| 18/17 | .5 | 2.3 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | 43 | 45 |
| 16/15 | .3 | 1.1 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 30 | 52 |
| 14/13 | .3 | 1.6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 19 | 34 |
| 12/11 | .5 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 23 | 36 |
| 10/9 | .3 | 2.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 17 | 22 |
| 7/7 | .1 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 24 | 17 |
| 6/5 | .1 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 13 | 12 |
| 4/3 | | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 15 | 10 |
| 2/1 | .1 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 10 | 25 |
| 0/-1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 5 | 21 |
| Element (X) | Z _g ¹ | | Z _g | | X | | X _g | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ± 0 F | | ± 32 F | | ± 67 F | | ± 73 F | | ± 80 F | | ± 93 F | | Total | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

WATERTOWN NY

74-83

DEC

STATION

STATION NAME

YEARS

MONTM

PAGE 2

1500-1700

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|-------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| - / -3 | .1 | .2 | | | | | | | | | | | | | | | | 3 | 3 | 3 | 10 | | | | |
| -4 / -5 | .3 | | | | | | | | | | | | | | | | | 3 | 3 | 4 | 12 | | | | |
| - / -7 | .4 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 8 | | | | |
| - / -9 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 8 | | | | |
| -1 / -11 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 4 | | | | |
| -1 / -13 | | | | | | | | | | | | | | | | | | | | | 3 | | | | |
| -1 / -15 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 9 | | | | |
| -1 / -17 | | | | | | | | | | | | | | | | | | | | | 4 | | | | |
| -1 / -19 | | | | | | | | | | | | | | | | | | | | | 3 | | | | |
| -0 / -21 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| -0 / -23 | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| -2 / -25 | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| TOTAL | 15.953 | 121.7 | 7.3 | 2.4 | .2 | | | | | | | | | | | | | 928 | 930 | 928 | | | | | |
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

706227
STATION

WATERTOWN NY
STATION NAME

74-83
YEARS

DEC
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|----|----------------|----------|----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|-----|--------------------|-------|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|-----------------------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47/ 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 61 | | | | .1 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/ 59 | | | .2 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53/ 57 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/ 55 | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44/ 52 | | | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 51 | | .1 | .2 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/ 49 | | .4 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 3 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47/ 47 | | .2 | .2 | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 8 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46/ 45 | | .4 | .4 | .2 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 7 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44/ 43 | | .3 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 9 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 41 | .3 | .8 | 1.6 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 30 | 12 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | .1 | 1.5 | .9 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 28 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38/ 37 | .6 | 1.7 | 1.1 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 43 | 43 | 39 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37/ 35 | 1.1 | 2.4 | 1.4 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 56 | 56 | 33 | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39/ 33 | 1.9 | 4.8 | 3.3 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 100 | 100 | 64 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 31 | 1.5 | 5.9 | 2.2 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 93 | 93 | 91 | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30/ 29 | 1.3 | 3.2 | 1.7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 59 | 59 | 97 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28/ 27 | 2.7 | 3.9 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 66 | 66 | 79 | 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26/ 25 | 1.6 | 3.9 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 58 | 58 | 66 | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24/ 23 | .5 | 2.2 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 53 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22/ 21 | 1.3 | 3.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 43 | 43 | 44 | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | 1.0 | 2.3 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 35 | 35 | 33 | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18/ 17 | 1.3 | 2.7 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | 40 | 39 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16/ 15 | .4 | 1.7 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 29 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14/ 13 | .6 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 18 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/ 11 | 1.3 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 25 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/ 9 | 1.1 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 18 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/ 7 | .6 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 28 | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/ 5 | .1 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 9 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/ 3 | .4 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 17 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2/ 1 | .3 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 13 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0/ -1 | .8 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 17 | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2/ -3 | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 10 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ x ¹ | | Σ x | | Σ | Σ ₂ | | Σ ₃ | | Σ ₄ | | Σ ₅ | | Σ ₆ | | Σ ₇ | | Σ ₈ | | Σ ₉ | | Σ ₁₀ | | Σ ₁₁ | | Σ ₁₂ | | Σ ₁₃ | | Σ ₁₄ | | Σ ₁₅ | | Σ ₁₆ | | Σ ₁₇ | | Σ ₁₈ | | Σ ₁₉ | | Σ ₂₀ | | Σ ₂₁ | | Σ ₂₂ | | Σ ₂₃ | | Σ ₂₄ | | Σ ₂₅ | | Σ ₂₆ | | Σ ₂₇ | | Σ ₂₈ | | Σ ₂₉ | | Σ ₃₀ | | Σ ₃₁ | | Σ ₃₂ | | Σ ₃₃ | | Σ ₃₄ | | Σ ₃₅ | | Σ ₃₆ | | Σ ₃₇ | | Σ ₃₈ | | Σ ₃₉ | | Σ ₄₀ | | Σ ₄₁ | | Σ ₄₂ | | Σ ₄₃ | | Σ ₄₄ | | Σ ₄₅ | | Σ ₄₆ | | Σ ₄₇ | | Σ ₄₈ | | Σ ₄₉ | | Σ ₅₀ | | Σ ₅₁ | | Σ ₅₂ | | Σ ₅₃ | | Σ ₅₄ | | Σ ₅₅ | | Σ ₅₆ | | Σ ₅₇ | | Σ ₅₈ | | Σ ₅₉ | | Σ ₆₀ | | Σ ₆₁ | | Σ ₆₂ | | Σ ₆₃ | | Σ ₆₄ | | Σ ₆₅ | | Σ ₆₆ | | Σ ₆₇ | | Σ ₆₈ | | Σ ₆₉ | | Σ ₇₀ | | Σ ₇₁ | | Σ ₇₂ | | Σ ₇₃ | | Σ ₇₄ | | Σ ₇₅ | | Σ ₇₆ | | Σ ₇₇ | | Σ ₇₈ | | Σ ₇₉ | | Σ ₈₀ | | Σ ₈₁ | | Σ ₈₂ | | Σ ₈₃ | | Σ ₈₄ | | Σ ₈₅ | | Σ ₈₆ | | Σ ₈₇ | | Σ ₈₈ | | Σ ₈₉ | | Σ ₉₀ | | Σ ₉₁ | | Σ ₉₂ | | Σ ₉₃ | | Σ ₉₄ | | Σ ₉₅ | | Σ ₉₆ | | Σ ₉₇ | | Σ ₉₈ | | Σ ₉₉ | | Σ ₁₀₀ | | Σ ₁₀₁ | | Σ ₁₀₂ | | Σ ₁₀₃ | | Σ ₁₀₄ | | Σ ₁₀₅ | | Σ ₁₀₆ | | Σ ₁₀₇ | | Σ ₁₀₈ | | Σ ₁₀₉ | | Σ ₁₁₀ | | Σ ₁₁₁ | | Σ ₁₁₂ | | Σ ₁₁₃ | | Σ ₁₁₄ | | Σ ₁₁₅ | | Σ ₁₁₆ | | Σ ₁₁₇ | | Σ ₁₁₈ | | Σ ₁₁₉ | | Σ ₁₂₀ | | Σ ₁₂₁ | | Σ ₁₂₂ | | Σ ₁₂₃ | | Σ ₁₂₄ | | Σ ₁₂₅ | | Σ ₁₂₆ | | Σ ₁₂₇ | | Σ ₁₂₈ | | Σ ₁₂₉ | | Σ ₁₃₀ | | Σ ₁₃₁ | | Σ ₁₃₂ | | Σ ₁₃₃ | | Σ ₁₃₄ | | Σ ₁₃₅ | | Σ ₁₃₆ | | Σ ₁₃₇ | | Σ ₁₃₈ | | Σ ₁₃₉ | | Σ ₁₄₀ | | Σ ₁₄₁ | | Σ ₁₄₂ | | Σ ₁₄₃ | | Σ ₁₄₄ | | Σ ₁₄₅ | | Σ ₁₄₆ | | Σ ₁₄₇ | | Σ ₁₄₈ | | Σ ₁₄₉ | | Σ ₁₅₀ | | Σ ₁₅₁ | | Σ ₁₅₂ | | Σ ₁₅₃ | | Σ ₁₅₄ | | Σ ₁₅₅ | | Σ ₁₅₆ | | Σ ₁₅₇ | | Σ ₁₅₈ | | Σ ₁₅₉ | | Σ ₁₆₀ | | Σ ₁₆₁ | | Σ ₁₆₂ | | Σ ₁₆₃ | | Σ ₁₆₄ | | Σ ₁₆₅ | | Σ ₁₆₆ | | Σ _{167</} |

PSYCHROMETRIC SUMMARY

DEC
MONTH

1800-2000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| -∞/-5 | .6 | .1 | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 10 | | |
| -∞/-7 | .2 | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 11 | | |
| -∞/-9 | .3 | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 16 | | |
| -10/-11 | .4 | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 8 | | |
| -1/-13 | .3 | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 9 | | |
| -1/-15 | .2 | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 6 | | |
| -1/-17 | .1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | |
| -1/-19 | .4 | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 5 | | |
| -1/-21 | .1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 3 | | |
| -2/-23 | | | | | | | | | | | | | | | | | | | | | | 8 | | |
| -2/-25 | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| TOTAL | 4.750 | 918.1 | 5.0 | 1.6 | .1 | | | | | | | | | | | | | | 928 | 928 | 928 | 928 | | |
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

720227

WATERTOWN NY

74-83

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | TOTAL | TOTAL | | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 67/65 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | |
| 64/63 | | | | | .5 | | | | | | | | | | | | | 5 | 5 | | |
| 61/61 | | | | .2 | | | | | | | | | | | | | | 2 | 2 | | |
| 57/59 | | | .1 | | .1 | .3 | | | | | | | | | | | | 5 | 5 | 1 | |
| 57/57 | | | | .2 | | | | | | | | | | | | | | 2 | 2 | 3 | |
| 55/55 | | | | | | | | | | | | | | | | | | | | 5 | |
| 47/53 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | 2 |
| 42/51 | | .3 | .3 | | .1 | | | | | | | | | | | | | 6 | 6 | 3 | 5 |
| 57/49 | .1 | | .1 | .1 | .1 | .1 | | | | | | | | | | | | 5 | 5 | 6 | 4 |
| 47/47 | | .1 | | .1 | .2 | | | | | | | | | | | | | 4 | 4 | 3 | 1 |
| 47/45 | | .1 | .8 | | | | | | | | | | | | | | | 8 | 8 | 3 | 4 |
| 44/43 | .2 | 1.0 | .8 | | | | | | | | | | | | | | | 18 | 18 | 10 | 4 |
| 42/41 | .4 | .8 | 1.2 | .7 | | | | | | | | | | | | | | 28 | 29 | 20 | 8 |
| 40/37 | .9 | 1.5 | .4 | .1 | | | | | | | | | | | | | | 27 | 27 | 28 | 18 |
| 37/37 | .8 | 1.4 | 1.0 | .4 | .1 | | | | | | | | | | | | | 34 | 34 | 37 | 27 |
| 37/35 | .9 | 3.1 | 1.4 | .5 | | | | | | | | | | | | | | 55 | 55 | 27 | 33 |
| 34/33 | 2.7 | 5.2 | 2.7 | .3 | | | | | | | | | | | | | | 94 | 94 | 66 | 35 |
| 32/31 | 2.1 | 6.5 | 1.7 | .3 | | | | | | | | | | | | | | 98 | 101 | 95 | 74 |
| 32/29 | .9 | 1.7 | 1.3 | .1 | | | | | | | | | | | | | | 37 | 37 | 77 | 66 |
| 27/27 | 2.3 | 3.0 | .8 | .1 | | | | | | | | | | | | | | 54 | 54 | 54 | 56 |
| 27/25 | 1.6 | 3.1 | .4 | | | | | | | | | | | | | | | 48 | 48 | 68 | 47 |
| 24/23 | .8 | 2.2 | .9 | | | | | | | | | | | | | | | 35 | 35 | 37 | 33 |
| 27/21 | 2.5 | 2.7 | .9 | | | | | | | | | | | | | | | 56 | 56 | 57 | 51 |
| 26/19 | 2.1 | 2.9 | .3 | | | | | | | | | | | | | | | 49 | 49 | 56 | 67 |
| 17/17 | 1.2 | 2.4 | | | | | | | | | | | | | | | | 33 | 33 | 32 | 50 |
| 16/15 | 1.0 | 1.8 | | | | | | | | | | | | | | | | 26 | 26 | 37 | 48 |
| 14/13 | .8 | 1.5 | .1 | | | | | | | | | | | | | | | 22 | 22 | 19 | 37 |
| 12/11 | 2.0 | 1.7 | | | | | | | | | | | | | | | | 34 | 34 | 29 | 44 |
| 12/9 | 1.3 | .7 | | | | | | | | | | | | | | | | 18 | 18 | 27 | 33 |
| 7/7 | .9 | .5 | | | | | | | | | | | | | | | | 13 | 13 | 15 | 22 |
| 7/5 | .5 | .9 | | | | | | | | | | | | | | | | 13 | 13 | 9 | 21 |
| 4/3 | .8 | .4 | | | | | | | | | | | | | | | | 11 | 11 | 17 | 11 |
| 7/1 | .8 | 1.3 | | | | | | | | | | | | | | | | 19 | 19 | 15 | 17 |
| 7/-1 | 1.1 | .7 | | | | | | | | | | | | | | | | 16 | 16 | 15 | 11 |
| Element (X) | Σx' | | Σx | | X | °x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | Total | | | | | |
| Rel. Hum. | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

776227
STATION

WATERTOWN NY
STATION NAME

74-83
YEARS

DEC
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|-------|-----|-----|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | > 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | 923 | 923 | 923 | 923 |
| -7/-3 | .7 | .2 | | | | | | | | | | | | | | | | 8 | 8 | 13 | 9 | | | | |
| -4/-5 | .1 | .1 | | | | | | | | | | | | | | | | 6 | 6 | 6 | 6 | | | | |
| -7/-7 | .7 | | | | | | | | | | | | | | | | | 6 | 6 | 7 | 11 | | | | |
| -7/-9 | .4 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 10 | | | | |
| -10/-11 | .7 | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 14 | | | | |
| -1/-13 | .3 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 5 | | | | |
| -10/-15 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 7 | | | | |
| -1/-17 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 5 | | | | |
| -1/-19 | .5 | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 8 | | | | |
| -1/-21 | .4 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 7 | | | | |
| -27/-23 | | | | | | | | | | | | | | | | | | | | | | | | | |
| -25/-25 | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20/-27 | | | | | | | | | | | | | | | | | | | | | | | | | |
| -20/-29 | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 31.947 | 9.15 | 2 | 3.3 | 1.4 | .4 | | | | | | | | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Rel. Hum. | 5995427 | 73309 | 79.413 | 693 | 923 | $\leq 0 F$ | $\leq 32 F$ | $\leq 47 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | 93 |
| Dry Bulb | 765032 | 23108 | 24.914 | 290 | 927 | 6.2 | 63.3 | | | | | 93 |
| Wet Bulb | 672947 | 21597 | 23.413 | 483 | 923 | 6.8 | 71.6 | | | | | 93 |
| Dew Point | 541597 | 17648 | 19.114 | 883 | 923 | 10.6 | 78.8 | | | | | 93 |

PSYCHROMETRIC SUMMARY

72 327

WATERTOWN NY

74-83

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-83

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 2

All

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| -1/-1 | .5 | .3 | | | | | | | | | | | | | | | | 85 | 86 | 100 | 116 | | | |
| -1/-3 | .5 | .1 | | | | | | | | | | | | | | | | 45 | 45 | 63 | 83 | | | |
| -4/-5 | .6 | .2 | | | | | | | | | | | | | | | | 58 | 58 | 53 | 86 | | | |
| -1/-7 | .3 | | | | | | | | | | | | | | | | | 25 | 25 | 33 | 80 | | | |
| -1/-9 | .8 | | | | | | | | | | | | | | | | | 41 | 41 | 41 | 86 | | | |
| -1/-11 | .4 | | | | | | | | | | | | | | | | | 28 | 28 | 28 | 72 | | | |
| -1/-13 | .2 | | | | | | | | | | | | | | | | | 14 | 14 | 14 | 33 | | | |
| -1/-15 | .3 | | | | | | | | | | | | | | | | | 19 | 19 | 19 | 51 | | | |
| -1/-17 | .1 | | | | | | | | | | | | | | | | | 9 | 9 | 9 | 36 | | | |
| -1/-19 | .5 | | | | | | | | | | | | | | | | | 34 | 34 | 34 | 58 | | | |
| -10/-21 | .2 | | | | | | | | | | | | | | | | | 13 | 13 | 13 | 30 | | | |
| -2/-23 | | | | | | | | | | | | | | | | | | | | | 34 | | | |
| -24/-25 | .7 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 15 | | | |
| -25/-27 | | | | | | | | | | | | | | | | | | | | | 17 | | | |
| -27/-29 | .7 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 10 | | | |
| -27/-31 | .6 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 2 | | | |
| -30/-35 | | | | | | | | | | | | | | | | | | | 2 | | 1 | | | |
| -37/-37 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| -77/-39 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| TOTAL | 26.550 | 6.16 | .3 | 4.6 | 1.6 | .2 | .1 | | | | | | | | | | | 7426 | 7435 | | 7426 | | | |
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PSYCHROMETRIC SUMMARY

74-83

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|----------|-------|-------|------------------------------------|------|----------|----------|-----------|--------------------|--------|--|--------|--|--------|--|-------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | |
| 67/67 | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | |
| 67/61 | | | | | | | | | | | | | | | | | | 25 | 25 | | | | | | | | | |
| 67/80 | | | | | | | | | | | | | | | | | | 73 | 73 | | | | | | | | | |
| 68/37 | | | | | | | | | | | | | | | | | | 127 | 128 | | | | | | | | | |
| 67/85 | | | | | | | | | | | | | | | | | | 258 | 268 | | | | | | | | | |
| 64/83 | | | | | | | | | | | | | | | | | | 453 | 466 | | | | | | | | | |
| 67/81 | | | | | | | | | | | | | | | | | | 783 | 798 | | | | | | | | | |
| 67/79 | | | | | | | | | | | | | | | | | | 1247 | 1261 | 19 | | | | | | | | |
| 67/77 | | | | | | | | | | | | | | | | | | 1437 | 1476 | 111 | | | | | | | | |
| 66/75 | | | | | | | | | | | | | | | | | | 1683 | 1733 | 280 | | | | | | | | |
| 64/73 | | | | | | | | | | | | | | | | | | 1954 | 2005 | 719 | | | | | | | | |
| 67/71 | | | | | | | | | | | | | | | | | | 2260 | 2330 | 1224 | | | | | | | | |
| 67/69 | | | | | | | | | | | | | | | | | | 2487 | 2585 | 2011 | | | | | | | | |
| 67/67 | | | | | | | | | | | | | | | | | | 2508 | 2609 | 2529 | | | | | | | | |
| 67/65 | | | | | | | | | | | | | | | | | | 2768 | 2864 | 2960 | | | | | | | | |
| 64/63 | | | | | | | | | | | | | | | | | | 2727 | 2799 | 2978 | | | | | | | | |
| 67/61 | | | | | | | | | | | | | | | | | | 2749 | 2844 | 3133 | | | | | | | | |
| 67/59 | | | | | | | | | | | | | | | | | | 2654 | 2935 | 3343 | | | | | | | | |
| 67/57 | | | | | | | | | | | | | | | | | | 2535 | 2591 | 3212 | | | | | | | | |
| 67/55 | | | | | | | | | | | | | | | | | | 2546 | 2636 | 3034 | | | | | | | | |
| 64/53 | | | | | | | | | | | | | | | | | | 2574 | 2644 | 2885 | | | | | | | | |
| 67/51 | | | | | | | | | | | | | | | | | | 2810 | 2870 | 2758 | | | | | | | | |
| 67/49 | | | | | | | | | | | | | | | | | | 2555 | 2631 | 3022 | | | | | | | | |
| 67/47 | | | | | | | | | | | | | | | | | | 2473 | 2536 | 2948 | | | | | | | | |
| 67/45 | | | | | | | | | | | | | | | | | | 2476 | 2585 | 2664 | | | | | | | | |
| 64/43 | | | | | | | | | | | | | | | | | | 2413 | 2530 | 2562 | | | | | | | | |
| 67/41 | | | | | | | | | | | | | | | | | | 2569 | 2651 | 2761 | | | | | | | | |
| 60/39 | | | | | | | | | | | | | | | | | | 2812 | 2923 | 2837 | | | | | | | | |
| 67/37 | | | | | | | | | | | | | | | | | | 2774 | 2860 | 3135 | | | | | | | | |
| 67/35 | | | | | | | | | | | | | | | | | | 3122 | 3169 | 3107 | | | | | | | | |
| 64/33 | | | | | | | | | | | | | | | | | | 3110 | 3151 | 3465 | | | | | | | | |
| 62/31 | | | | | | | | | | | | | | | | | | 3635 | 3669 | 3277 | | | | | | | | |
| 67/29 | | | | | | | | | | | | | | | | | | 2168 | 2188 | 3304 | | | | | | | | |
| 67/27 | | | | | | | | | | | | | | | | | | 1905 | 1932 | 2411 | | | | | | | | |
| Element (X) | Σx' | | | Σx | | | Σ | | | Σn | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

A)

FORM 2-1

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

ALL

PAGE 2

ALL

HOURS (L, S, T,)

[illegible]

PSYCHROMETRIC SUMMARY

HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
NR. 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
 WATERTOWN
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

776207 WATERTOWN NY

74-83

STATION

STATION NAME

YEARS

| HRS (LST) | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
|-----------|----------------|--------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0-02 | MEAN 16.7 | 18.9 | 29.4 | 39.0 | 50.1 | 57.5 | 63.2 | 61.7 | 54.7 | 43.8 | 37.3 | 24.5 | 41.1 |
| | S.D. 15.582 | 15.387 | 12.228 | 9.954 | 9.042 | 8.453 | 7.435 | 7.568 | 9.326 | 10.750 | 10.856 | 14.497 | 19.351 |
| | TOTAL OBS 929 | 845 | 928 | 898 | 831 | 808 | 837 | 930 | 894 | 930 | 897 | 930 | 10657 |
| 3-05 | MEAN 15.4 | 17.7 | 28.2 | 37.7 | 48.1 | 55.9 | 61.3 | 59.8 | 53.2 | 42.6 | 36.7 | 24.0 | 39.9 |
| | S.D. 16.363 | 16.218 | 12.728 | 10.511 | 9.357 | 8.997 | 8.421 | 8.432 | 9.817 | 11.341 | 11.030 | 14.661 | 19.436 |
| | TOTAL OBS 930 | 846 | 927 | 897 | 860 | 837 | 868 | 930 | 894 | 930 | 896 | 930 | 10745 |
| 6-08 | MEAN 14.8 | 17.0 | 28.3 | 39.7 | 52.6 | 61.3 | 66.8 | 63.4 | 54.7 | 42.9 | 36.3 | 23.4 | 41.9 |
| | S.D. 16.969 | 16.867 | 12.996 | 10.770 | 9.445 | 7.784 | 7.060 | 7.858 | 9.477 | 11.150 | 11.247 | 15.085 | 21.072 |
| | TOTAL OBS 930 | 846 | 930 | 897 | 927 | 900 | 930 | 929 | 898 | 930 | 897 | 930 | 10944 |
| 9-11 | MEAN 17.8 | 21.4 | 33.8 | 45.9 | 59.6 | 67.9 | 74.5 | 71.8 | 62.6 | 50.3 | 40.4 | 25.8 | 47.8 |
| | S.D. 15.103 | 14.934 | 12.553 | 11.499 | 9.706 | 7.762 | 5.723 | 6.216 | 8.018 | 9.651 | 10.784 | 13.836 | 22.019 |
| | TOTAL OBS 930 | 846 | 929 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 898 | 930 | 10953 |
| 12-14 | MEAN 21.3 | 25.7 | 37.5 | 49.1 | 62.9 | 71.1 | 77.9 | 75.3 | 66.1 | 53.9 | 43.2 | 28.6 | 51.2 |
| | S.D. 13.376 | 13.709 | 12.320 | 11.858 | 10.117 | 8.047 | 5.990 | 6.308 | 7.943 | 9.876 | 10.652 | 12.435 | 21.775 |
| | TOTAL OBS 930 | 846 | 930 | 899 | 930 | 897 | 930 | 930 | 900 | 930 | 899 | 930 | 10951 |
| 15-17 | MEAN 21.6 | 26.2 | 37.7 | 49.5 | 63.1 | 71.4 | 77.8 | 75.3 | 65.7 | 53.4 | 42.2 | 28.4 | 51.1 |
| | S.D. 12.687 | 12.796 | 11.607 | 11.527 | 10.429 | 8.169 | 6.179 | 6.279 | 7.942 | 9.522 | 10.205 | 12.200 | 21.577 |
| | TOTAL OBS 930 | 846 | 930 | 900 | 929 | 898 | 930 | 930 | 900 | 930 | 897 | 930 | 10950 |
| 18-20 | MEAN 18.6 | 22.4 | 33.9 | 45.2 | 58.3 | 66.7 | 72.7 | 69.5 | 59.6 | 47.1 | 38.7 | 26.0 | 46.7 |
| | S.D. 14.085 | 13.916 | 10.628 | 10.448 | 9.540 | 7.801 | 6.134 | 6.362 | 8.265 | 9.522 | 9.902 | 13.545 | 20.837 |
| | TOTAL OBS 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 928 | 10954 |
| 21-23 | MEAN 17.3 | 20.3 | 31.3 | 41.2 | 52.9 | 60.0 | 65.7 | 63.7 | 55.9 | 44.9 | 37.6 | 24.9 | 42.8 |
| | S.D. 14.646 | 15.111 | 11.177 | 9.791 | 8.589 | 7.558 | 6.498 | 6.587 | 8.892 | 10.216 | 10.620 | 14.290 | 19.444 |
| | TOTAL OBS 930 | 845 | 930 | 900 | 869 | 840 | 869 | 930 | 900 | 930 | 900 | 927 | 10770 |
| ALL HOURS | MEAN 18.0 | 21.2 | 32.5 | 43.4 | 56.1 | 64.2 | 70.2 | 67.5 | 59.1 | 47.4 | 39.0 | 25.7 | 45.3 |
| | S.D. 15.088 | 15.255 | 12.574 | 11.648 | 10.970 | 9.847 | 9.076 | 9.090 | 9.994 | 11.145 | 10.937 | 13.962 | 21.147 |
| | TOTAL OBS 7439 | 6766 | 7434 | 7191 | 7206 | 6980 | 7224 | 7439 | 7186 | 7440 | 7184 | 7435 | 86924 |

USAF ETAC FORM 0-89.5 (OLA)
 OCT 78

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

726227 WATERTOWN NY

74-83

STATION

STATION NAME

YEARS

| HRS (LST) | MEAN | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-----------|--------|--------|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0-02 | S.D. | 15.7 | 17.6 | 27.3 | 36.0 | 47.1 | 54.4 | 59.7 | 59.2 | 52.2 | 41.4 | 35.5 | 23.1 | 38.6 |
| | TOTAL OBS | 14.913 | 14.632 | 11.272 | 8.963 | 8.359 | 7.549 | 6.528 | 7.026 | 8.653 | 9.885 | 10.183 | 13.728 | 18.470 |
| | | 921 | 844 | 925 | 879 | 741 | 742 | 825 | 914 | 891 | 930 | 859 | 930 | 10401 |
| 3-05 | MEAN | 14.5 | 16.5 | 26.3 | 34.9 | 45.6 | 53.2 | 58.4 | 57.6 | 51.0 | 40.4 | 35.0 | 22.6 | 37.7 |
| | S.D. | 15.647 | 15.490 | 11.818 | 9.433 | 8.823 | 8.079 | 7.497 | 7.841 | 9.164 | 10.447 | 10.334 | 13.877 | 18.639 |
| | TOTAL OBS | 921 | 845 | 923 | 874 | 770 | 770 | 856 | 917 | 891 | 930 | 857 | 930 | 10484 |
| 6-08 | MEAN | 13.9 | 15.8 | 26.4 | 36.5 | 49.1 | 57.2 | 62.3 | 60.5 | 52.2 | 40.8 | 34.7 | 22.2 | 39.2 |
| | S.D. | 16.297 | 16.043 | 12.175 | 9.593 | 8.607 | 6.726 | 6.042 | 7.117 | 8.956 | 10.284 | 10.502 | 14.102 | 19.870 |
| | TOTAL OBS | 922 | 844 | 925 | 872 | 837 | 833 | 910 | 914 | 895 | 929 | 858 | 928 | 10667 |
| 9-11 | MEAN | 16.6 | 19.5 | 30.6 | 40.5 | 53.4 | 60.9 | 66.0 | 65.3 | 57.5 | 46.0 | 37.7 | 24.2 | 43.1 |
| | S.D. | 14.391 | 13.956 | 11.284 | 9.797 | 8.487 | 6.381 | 5.274 | 5.414 | 7.521 | 8.679 | 9.884 | 13.053 | 19.749 |
| | TOTAL OBS | 918 | 843 | 929 | 876 | 837 | 833 | 914 | 917 | 899 | 929 | 860 | 929 | 10684 |
| 12-14 | MEAN | 19.6 | 23.1 | 33.2 | 42.5 | 55.3 | 62.4 | 67.2 | 66.6 | 59.1 | 48.0 | 39.4 | 26.4 | 45.2 |
| | S.D. | 12.544 | 12.620 | 10.578 | 9.520 | 8.422 | 6.444 | 5.209 | 5.493 | 7.366 | 8.484 | 9.527 | 11.686 | 18.899 |
| | TOTAL OBS | 923 | 842 | 929 | 879 | 839 | 834 | 918 | 918 | 900 | 923 | 859 | 930 | 10694 |
| 15-17 | MEAN | 19.8 | 23.6 | 33.5 | 42.6 | 55.2 | 62.2 | 67.2 | 66.4 | 58.9 | 47.6 | 38.9 | 26.3 | 45.1 |
| | S.D. | 12.019 | 11.877 | 9.936 | 9.142 | 8.355 | 6.463 | 5.083 | 5.313 | 7.255 | 8.376 | 9.377 | 11.522 | 18.630 |
| | TOTAL OBS | 926 | 842 | 930 | 880 | 838 | 834 | 921 | 921 | 900 | 926 | 861 | 928 | 10707 |
| 18-20 | MEAN | 17.4 | 20.6 | 30.9 | 40.2 | 52.6 | 60.1 | 65.3 | 64.0 | 55.8 | 43.7 | 36.5 | 24.3 | 42.5 |
| | S.D. | 13.401 | 13.193 | 9.664 | 8.865 | 8.308 | 6.475 | 5.143 | 5.501 | 7.654 | 8.735 | 9.374 | 12.756 | 18.900 |
| | TOTAL OBS | 927 | 845 | 927 | 881 | 840 | 837 | 919 | 920 | 900 | 930 | 863 | 928 | 10717 |
| 21-23 | MEAN | 16.2 | 18.9 | 29.0 | 37.7 | 49.4 | 56.2 | 61.7 | 60.7 | 53.1 | 42.1 | 35.7 | 23.4 | 40.0 |
| | S.D. | 13.956 | 14.372 | 10.211 | 8.884 | 8.088 | 6.786 | 5.718 | 6.124 | 8.180 | 9.256 | 9.929 | 13.483 | 18.440 |
| | TOTAL OBS | 924 | 845 | 926 | 878 | 779 | 777 | 859 | 918 | 897 | 929 | 861 | 923 | 10516 |
| ALL HOURS | MEAN | 16.7 | 19.4 | 29.6 | 38.9 | 51.1 | 58.4 | 63.6 | 62.5 | 55.0 | 43.7 | 36.7 | 24.1 | 41.4 |
| | S.D. | 14.349 | 14.332 | 11.223 | 9.688 | 9.094 | 7.618 | 6.656 | 7.076 | 8.668 | 9.729 | 10.034 | 13.136 | 19.157 |
| | TOTAL OBS | 7382 | 6750 | 7414 | 7019 | 6481 | 6460 | 7122 | 7339 | 7173 | 7426 | 6878 | 7426 | 84870 |

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AID WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

776227 WATERTOWN NY

74-83

STATION

STATION NAME

YEARS

| HRS (LST) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
|-----------|-----------|---------|---------|---------|---------|--------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0-02 | MEAN | 10.4 | 12.2 | 22.5 | 31.5 | 43.8 | 51.9 | 57.4 | 57.5 | 50.1 | 38.3 | 32.1 | 19.0 | 35.1 |
| | S.D. | 16.8181 | 16.5011 | 12.687 | 9.995 | 9.099 | 7.869 | 6.731 | 7.151 | 8.963 | 10.541 | 10.989 | 15.097 | 20.003 |
| | TOTAL OBS | 921 | 844 | 925 | 879 | 741 | 742 | 825 | 914 | 891 | 930 | 859 | 930 | 10401 |
| 3-05 | MEAN | 9.3 | 11.3 | 21.5 | 30.6 | 42.7 | 50.9 | 56.3 | 56.2 | 49.1 | 37.6 | 31.8 | 18.5 | 34.3 |
| | S.D. | 17.4681 | 17.3561 | 13.3381 | 10.268 | 9.387 | 8.315 | 7.484 | 7.859 | 9.396 | 10.885 | 11.044 | 15.138 | 20.181 |
| | TOTAL OBS | 921 | 845 | 923 | 874 | 770 | 770 | 856 | 917 | 891 | 930 | 857 | 930 | 10484 |
| 6-08 | MEAN | 8.6 | 10.7 | 21.6 | 31.8 | 45.3 | 54.2 | 59.3 | 58.6 | 50.2 | 38.1 | 31.5 | 18.1 | 35.6 |
| | S.D. | 13.2821 | 17.8001 | 13.8131 | 10.502 | 9.487 | 7.070 | 6.440 | 7.215 | 9.379 | 10.702 | 11.083 | 15.448 | 21.235 |
| | TOTAL OBS | 922 | 844 | 925 | 872 | 837 | 833 | 910 | 914 | 895 | 929 | 858 | 928 | 10667 |
| 9-11 | MEAN | 11.0 | 13.1 | 24.0 | 33.2 | 47.3 | 56.0 | 60.7 | 61.2 | 53.4 | 41.1 | 33.4 | 19.7 | 37.8 |
| | S.D. | 16.5711 | 16.2901 | 13.5681 | 11.3021 | 10.403 | 7.505 | 6.996 | 6.500 | 8.810 | 10.095 | 10.823 | 14.699 | 20.978 |
| | TOTAL OBS | 918 | 843 | 929 | 876 | 837 | 833 | 914 | 917 | 899 | 929 | 860 | 929 | 10684 |
| 12-14 | MEAN | 13.0 | 15.4 | 25.6 | 34.2 | 48.1 | 56.4 | 60.8 | 61.2 | 53.7 | 41.6 | 33.9 | 21.0 | 38.7 |
| | S.D. | 15.1991 | 15.5831 | 12.8361 | 11.0881 | 10.460 | 7.910 | 7.363 | 7.099 | 9.113 | 10.372 | 10.942 | 13.860 | 20.257 |
| | TOTAL OBS | 923 | 842 | 929 | 879 | 839 | 834 | 918 | 918 | 900 | 923 | 859 | 930 | 10694 |
| 15-17 | MEAN | 13.1 | 16.1 | 25.9 | 34.0 | 47.7 | 55.9 | 60.7 | 60.9 | 53.7 | 41.2 | 33.8 | 21.1 | 38.6 |
| | S.D. | 14.7571 | 15.1271 | 12.1551 | 10.8201 | 10.237 | 8.070 | 7.081 | 6.912 | 8.954 | 10.448 | 10.999 | 13.776 | 19.941 |
| | TOTAL OBS | 926 | 842 | 930 | 880 | 838 | 834 | 921 | 921 | 900 | 926 | 861 | 928 | 10707 |
| 18-20 | MEAN | 11.7 | 14.4 | 25.1 | 33.5 | 46.9 | 55.3 | 60.7 | 60.4 | 52.7 | 39.7 | 32.7 | 19.7 | 37.7 |
| | S.D. | 15.4731 | 15.8231 | 11.5941 | 10.156 | 9.995 | 7.600 | 6.437 | 6.436 | 8.419 | 9.906 | 10.644 | 14.289 | 20.176 |
| | TOTAL OBS | 927 | 845 | 927 | 881 | 840 | 837 | 919 | 920 | 900 | 930 | 863 | 928 | 10717 |
| 21-23 | MEAN | 10.9 | 13.3 | 23.9 | 32.7 | 45.6 | 53.4 | 58.9 | 58.6 | 50.9 | 38.6 | 32.1 | 19.1 | 36.2 |
| | S.D. | 15.8421 | 16.4141 | 11.7241 | 10.012 | 9.263 | 7.296 | 6.201 | 6.481 | 8.526 | 10.100 | 10.874 | 14.883 | 19.964 |
| | TOTAL OBS | 924 | 845 | 926 | 878 | 779 | 777 | 859 | 918 | 897 | 929 | 861 | 923 | 10516 |
| ALL HOURS | MEAN | 11.0 | 13.3 | 23.8 | 32.7 | 46.0 | 54.3 | 59.4 | 59.3 | 51.7 | 39.5 | 32.7 | 19.5 | 36.7 |
| | S.D. | 16.4001 | 16.4721 | 12.8361 | 10.591 | 9.978 | 7.933 | 7.036 | 7.192 | 9.114 | 10.447 | 10.954 | 14.687 | 20.408 |
| | TOTAL OBS | 7382 | 6750 | 7414 | 7019 | 6481 | 6460 | 7122 | 7339 | 7173 | 7426 | 6878 | 7426 | 84870 |

JOINT CLIMATE LOG BRANCH
 AFETAC
 AIRCRAFT SERVICE/AFAC

RELATIVE HUMIDITY

027
 STATION

ATERTOWN Y
 STATION NAME

74-83
 PERIOD

JAN
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 0-02 | 100.0 | 100.0 | 99.9 | 98.9 | 95.9 | 86.1 | 67.1 | 41.0 | 17.5 | 76.4 | 921 |
| | 3-05 | 100.0 | 100.0 | 100.0 | 99.5 | 97.2 | 88.6 | 66.5 | 40.9 | 18.7 | 76.6 | 921 |
| | 6-08 | 100.0 | 100.0 | 99.9 | 98.9 | 95.9 | 86.3 | 66.4 | 41.2 | 18.9 | 76.5 | 922 |
| | 9-11 | 100.0 | 100.0 | 100.0 | 98.6 | 93.8 | 81.5 | 63.2 | 38.5 | 16.3 | 74.0 | 918 |
| | 12-14 | 100.0 | 100.0 | 99.8 | 96.5 | 87.8 | 71.0 | 50.4 | 32.3 | 12.7 | 70.8 | 923 |
| | 15-17 | 100.0 | 100.0 | 99.6 | 96.9 | 87.5 | 71.9 | 52.4 | 31.6 | 13.7 | 70.7 | 926 |
| | 18-20 | 100.0 | 100.0 | 99.9 | 98.9 | 93.7 | 82.8 | 62.5 | 40.1 | 16.1 | 74.5 | 927 |
| | 21-23 | 100.0 | 100.0 | 99.8 | 98.8 | 95.6 | 85.9 | 64.5 | 41.1 | 18.6 | 76.1 | 924 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.9 | 98.4 | 93.4 | 81.8 | 61.7 | 38.4 | 16.5 | 74.0 | 7382 |

RELATIVE HUMIDITY

550

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 0-24 | 100.0 | 100.0 | 100.0 | 98.3 | 93.0 | 72.6 | 65.5 | 43.7 | 16.5 | 75.0 | 844 |
| FEB | 0-24 | 100.0 | 100.0 | 100.0 | 99.4 | 96.0 | 83.4 | 68.7 | 45.7 | 17.2 | 76.5 | 845 |
| MAR | 0-24 | 100.0 | 100.0 | 100.0 | 99.4 | 96.2 | 84.6 | 67.9 | 45.4 | 18.2 | 76.7 | 844 |
| APR | 0-11 | 100.0 | 100.0 | 99.8 | 96.0 | 87.7 | 72.7 | 55.5 | 33.6 | 13.9 | 71.7 | 843 |
| MAY | 12-14 | 100.0 | 100.0 | 99.3 | 93.6 | 79.1 | 62.5 | 41.3 | 23.0 | 9.0 | 66.6 | 842 |
| JUN | 15-17 | 100.0 | 100.0 | 98.8 | 93.2 | 78.6 | 63.8 | 43.3 | 26.5 | 12.0 | 68.5 | 842 |
| JUL | 18-20 | 100.0 | 100.0 | 99.6 | 97.3 | 89.5 | 74.7 | 58.1 | 36.0 | 12.4 | 72.3 | 845 |
| AUG | 21-23 | 100.0 | 100.0 | 99.9 | 98.3 | 93.3 | 81.3 | 64.4 | 42.2 | 15.5 | 75.1 | 845 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.7 | 97.0 | 89.2 | 75.7 | 58.2 | 37.0 | 14.1 | 72.7 | 6750 |

RELATIVE HUMIDITY

As

MONTH

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAY | 00-02 | 100.0 | 100.0 | 100.0 | 98.3 | 94.5 | 84.6 | 69.0 | 46.4 | 17.3 | 76.6 | 925 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.1 | 94.1 | 86.7 | 70.1 | 46.6 | 19.4 | 77.2 | 923 |
| | 06-08 | 100.0 | 100.0 | 99.9 | 99.2 | 94.2 | 83.6 | 68.0 | 47.4 | 10.0 | 76.9 | 925 |
| | 09-11 | 100.0 | 100.0 | 99.1 | 94.8 | 81.1 | 66.5 | 49.7 | 31.5 | 11.0 | 69.2 | 929 |
| | 12-14 | 100.0 | 100.0 | 97.6 | 89.6 | 73.7 | 54.9 | 39.3 | 25.8 | 9.7 | 64.7 | 929 |
| | 15-17 | 100.0 | 100.0 | 97.7 | 90.1 | 73.4 | 55.2 | 39.5 | 27.0 | 10.6 | 64.9 | 930 |
| | 18-20 | 100.0 | 100.0 | 99.9 | 96.0 | 88.9 | 73.4 | 54.6 | 33.0 | 14.2 | 71.0 | 927 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 97.6 | 94.1 | 82.9 | 64.3 | 40.9 | 15.3 | 75.2 | 926 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.3 | 95.7 | 86.8 | 73.5 | 56.8 | 37.4 | 14.5 | 72.0 | 7414 |

RELATIVE HUMIDITY

27

ALBANY NY

74-53

LDN

STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 10-10 | 100.0 | 100.0 | 100.0 | 99.9 | 98.9 | 92.9 | 83.2 | 75.0 | 64.6 | 51.9 | 76.0 | 679 |
| 11-10 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 92.8 | 86.6 | 72.4 | 52.4 | 33.8 | 77.3 | 674 |
| 12-10 | 100.0 | 100.0 | 100.0 | 100.0 | 98.1 | 92.7 | 83.0 | 67.0 | 40.8 | 22.0 | 75.1 | 672 |
| 1-11 | 100.0 | 100.0 | 100.0 | 98.9 | 89.4 | 74.2 | 54.5 | 38.4 | 21.0 | 6.5 | 63.9 | 576 |
| 2-11 | 100.0 | 99.9 | 95.3 | 80.7 | 61.7 | 45.2 | 31.1 | 18.9 | 7.7 | 59.7 | 579 | |
| 3-11 | 100.0 | 99.9 | 93.6 | 78.4 | 59.9 | 42.2 | 29.5 | 16.4 | 6.1 | 56.0 | 653 | |
| 4-11 | 100.0 | 100.0 | 98.8 | 91.3 | 78.8 | 60.7 | 42.9 | 23.5 | 6.6 | 66.0 | 851 | |
| 5-11 | 100.0 | 100.0 | 100.0 | 99.2 | 91.5 | 76.6 | 60.8 | 37.6 | 10.7 | 73.0 | 676 | |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 98.3 | 91.8 | 80.6 | 66.6 | 51.5 | 32.2 | 9.7 | 68.7 | 7019 |

USAFETAC

FORM 101-A-4

0-87-5 (OL A)

1. AL CLIMATOLOGY BRANCH
2. CTAC
3. WEATHER SERVICE/AMC

RELATIVE HUMIDITY

227 WATERLOO, NY 74-23 DAY
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 1-31 | 100.0 | 100.0 | 100.0 | 100.0 | 96.8 | 90.4 | 75.3 | 51.3 | 19.6 | 79.1 | 741 |
| FEB | 1-28 | 100.0 | 100.0 | 100.0 | 99.9 | 97.9 | 93.4 | 83.4 | 60.1 | 27.3 | 82.0 | 770 |
| MAR | 1-31 | 100.0 | 100.0 | 100.0 | 99.4 | 95.9 | 86.1 | 69.8 | 43.7 | 15.5 | 76.8 | 837 |
| APR | 1-30 | 100.0 | 100.0 | 99.9 | 92.5 | 79.5 | 58.8 | 37.2 | 18.5 | 4.5 | 64.0 | 837 |
| MAY | 1-31 | 100.0 | 100.0 | 97.0 | 85.9 | 68.5 | 45.6 | 26.0 | 12.2 | 2.5 | 59.5 | 839 |
| JUN | 1-30 | 100.0 | 100.0 | 96.5 | 84.0 | 64.2 | 41.9 | 24.8 | 11.6 | 4.1 | 58.5 | 838 |
| JUL | 1-31 | 100.0 | 100.0 | 98.9 | 93.3 | 81.3 | 64.9 | 42.3 | 22.0 | 6.7 | 66.7 | 840 |
| AUG | 1-31 | 100.0 | 100.0 | 100.0 | 99.5 | 95.6 | 85.5 | 70.3 | 40.4 | 17.1 | 76.3 | 779 |
| SEP | 1-30 | | | | | | | | | | | |
| OCT | 1-31 | | | | | | | | | | | |
| NOV | 1-30 | | | | | | | | | | | |
| DEC | 1-31 | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 98.9 | 94.3 | 85.0 | 70.8 | 53.6 | 32.5 | 11.5 | 70.5 | 6461 |

RELATIVE HUMIDITY

مازنی

MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUN. | 0-02 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 95.4 | 84.2 | 58.6 | 21.2 | 62.4 | 742 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 96.8 | 89.1 | 67.5 | 23.2 | 63.9 | 770 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 98.4 | 92.0 | 77.0 | 44.9 | 11.5 | 78.3 | 633 |
| | 09-11 | 100.0 | 100.0 | 99.9 | 96.6 | 86.1 | 67.1 | 41.2 | 19.7 | 4.0 | 67.4 | 503 |
| | 12-14 | 100.0 | 100.0 | 98.4 | 92.3 | 76.4 | 50.0 | 37.5 | 14.5 | 1.6 | 62.1 | 634 |
| | 15-17 | 100.0 | 100.0 | 98.2 | 89.9 | 72.4 | 47.1 | 27.7 | 14.1 | 2.3 | 60.0 | 634 |
| | 18-20 | 100.0 | 100.0 | 99.6 | 96.7 | 88.1 | 70.4 | 45.3 | 23.2 | 3.0 | 68.7 | 637 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 93.3 | 79.4 | 51.1 | 16.2 | 79.6 | 777 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.5 | 96.9 | 90.1 | 76.5 | 59.4 | 36.8 | 10.8 | 72.9 | 6460 |

CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

RELATIVE HUMIDITY

10227 WATER TOWN NY 74-83 JUL
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|--------|----------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUL | 0-02 | 100.0 | 100.0 | 100.0 | 99.9 | 99.6 | 95.9 | 82.4 | 60.7 | 21.1 | 92.1 | 625 |
| | 3-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 96.2 | 83.4 | 65.3 | 27.7 | 94.1 | 856 |
| | 6-08 | 100.0 | 100.0 | 100.0 | 99.8 | 99.1 | 92.6 | 70.9 | 42.6 | 13.8 | 77.7 | 910 |
| | 9-11 | 100.0 | 100.0 | 99.9 | 96.7 | 83.7 | 57.3 | 26.7 | 9.5 | 1.3 | 63.1 | 914 |
| | 12-14 | 100.0 | 100.0 | 98.9 | 87.8 | 66.6 | 37.4 | 17.6 | 6.4 | .9 | 57.1 | 918 |
| | 15-17 | 100.0 | 100.0 | 98.9 | 88.0 | 65.5 | 34.7 | 18.7 | 8.0 | .9 | 57.7 | 921 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 97.6 | 89.6 | 67.2 | 40.4 | 18.1 | 2.4 | 67.1 | 919 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.7 | 99.2 | 95.0 | 79.5 | 49.0 | 12.0 | 79.3 | 859 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.7 | 96.3 | 87.9 | 72.3 | 53.0 | 32.5 | 12.0 | 70.9 | 7122 |

AL CLIMATOLOGY BRANCH
 TETAC
 SERVICE/MAC

RELATIVE HUMIDITY

227
 STATION

ALERTOWN NY

STATION NAME

74-93

PERIOD

ALL
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 1-1 | 10-02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 94.0 | 75.3 | 50.0 | 46.0 | 914 |
| | 10-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 95.6 | 81.6 | 55.6 | 48.0 | 917 |
| | 10-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 91.0 | 69.8 | 26.6 | 44.9 | 914 |
| | 10-11 | 100.0 | 100.0 | 100.0 | 99.6 | 93.0 | 79.1 | 49.6 | 23.0 | 4.9 | 70.0 | 917 |
| | 10-14 | 100.0 | 100.0 | 100.0 | 97.1 | 79.9 | 54.0 | 29.1 | 11.7 | 2.5 | 62.9 | 913 |
| | 10-17 | 100.0 | 100.0 | 99.9 | 96.4 | 76.9 | 49.0 | 28.3 | 12.4 | 3.1 | 62.2 | 921 |
| | 10-20 | 100.0 | 100.0 | 100.0 | 99.6 | 95.7 | 83.3 | 60.4 | 34.6 | 7.6 | 73.0 | 920 |
| | 1-23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 98.9 | 89.4 | 68.7 | 22.8 | 44.0 | 918 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.1 | 93.1 | 82.8 | 67.4 | 47.1 | 17.1 | 76.0 | 7339 |

USAFETAC

FORM
 JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

170 MONTH

[illegible]

RELATIVE HUMIDITY

| | | | |
|---------|--------------|--------|-------|
| STATION | STATION NAME | PERIOD | MONTH |
| 74-1 | ALBERTA | 74-1 | 1974 |

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 5-1 | 5-02 | 100.0 | 100.0 | 100.0 | 99.4 | 97.2 | 91.2 | 83.4 | 61.7 | 31.0 | 72.0 | 970 |
| | 5-5 | 100.0 | 100.0 | 100.0 | 99.9 | 99.4 | 94.1 | 94.7 | 94.9 | 27.3 | 83.0 | 970 |
| | 5-10 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 93.9 | 94.5 | 95.3 | 35.3 | 83.7 | 929 |
| | 5-11 | 100.0 | 100.0 | 99.9 | 97.9 | 91.5 | 71.2 | 92.5 | 94.0 | 15.0 | 72.4 | 924 |
| | 11-14 | 100.0 | 100.0 | 98.7 | 94.7 | 79.2 | 54.1 | 35.9 | 22.0 | 11.9 | 65.0 | 903 |
| | 15-17 | 100.0 | 100.0 | 98.9 | 94.9 | 77.6 | 53.0 | 36.7 | 21.0 | 11.3 | 65.0 | 975 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 98.8 | 95.7 | 85.0 | 67.7 | 43.0 | 17.5 | 76.0 | 970 |
| | 1-23 | 100.0 | 100.0 | 100.0 | 99.0 | 95.7 | 86.8 | 76.0 | 65.0 | 27.4 | 80.0 | 924 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.7 | 97.9 | 91.6 | 71.1 | 64.0 | 46.0 | 23.1 | 76.0 | 7476 |

RELATIVE HUMIDITY

NOV
MONTH

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 7 | 6-22 | 100.0 | 100.0 | 99.9 | 99.1 | 99.7 | 93.0 | 79.5 | 53.0 | 29.7 | 81.7 | 659 |
| | 6-25 | 100.0 | 100.0 | 100.0 | 99.1 | 97.9 | 75.1 | 61.0 | 43.1 | 31.7 | 72.4 | 657 |
| | 6-28 | 100.0 | 100.0 | 100.0 | 99.3 | 99.4 | 93.2 | 81.4 | 62.1 | 30.7 | 72.0 | 653 |
| | 7-11 | 100.0 | 100.0 | 100.0 | 99.3 | 95.7 | 82.6 | 64.4 | 44.9 | 21.7 | 76.7 | 655 |
| | 7-14 | 100.0 | 99.9 | 99.7 | 97.2 | 88.7 | 68.5 | 49.4 | 32.9 | 15.5 | 70.3 | 659 |
| | 7-17 | 100.0 | 99.9 | 99.7 | 98.5 | 91.5 | 72.9 | 55.0 | 35.0 | 16.3 | 77.0 | 661 |
| | 7-20 | 100.0 | 99.9 | 99.7 | 99.4 | 98.1 | 80.7 | 72.5 | 51.2 | 20.4 | 79.1 | 663 |
| | 7-23 | 100.0 | 99.9 | 99.7 | 99.1 | 98.1 | 92.3 | 76.4 | 55.4 | 25.2 | 80.6 | 661 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.9 | 99.8 | 98.9 | 95.8 | 84.6 | 70.2 | 50.6 | 27.2 | 75.4 | 6578 |

RELATIVE HUMIDITY

DEC
MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUN | 6-12 | 100.0 | 100.0 | 100.0 | 99.8 | 97.7 | 91.5 | 75.4 | 52.2 | 25.9 | 81.0 | 933 |
| | 12-18 | 100.0 | 100.0 | 100.0 | 99.8 | 97.4 | 92.6 | 77.6 | 52.6 | 24.3 | 80.2 | 933 |
| | 18-06 | 100.0 | 100.0 | 99.9 | 99.4 | 98.0 | 92.3 | 77.3 | 56.0 | 26.4 | 80.6 | 925 |
| | 06-11 | 100.0 | 100.0 | 100.0 | 99.5 | 96.6 | 86.6 | 71.0 | 48.8 | 22.1 | 75.4 | 929 |
| | 11-14 | 100.0 | 100.0 | 99.9 | 95.0 | 92.9 | 75.3 | 59.6 | 38.8 | 15.8 | 74.2 | 936 |
| | 14-17 | 100.0 | 100.0 | 100.0 | 99.2 | 93.3 | 80.9 | 63.1 | 40.9 | 17.3 | 74.9 | 926 |
| | 17-20 | 100.0 | 100.0 | 100.0 | 99.9 | 96.9 | 87.5 | 70.7 | 47.3 | 21.6 | 78.0 | 923 |
| | 20-23 | 100.0 | 100.0 | 100.0 | 99.9 | 96.9 | 87.4 | 73.3 | 50.6 | 25.2 | 79.4 | 923 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.5 | 96.2 | 87.8 | 70.7 | 48.4 | 22.3 | 78.0 | 7426 |

1. ALL CLIMATOLOGY PARTIAL
 2. STATION
 3. SERVICE/MAINT

RELATIVE HUMIDITY

127 STATION 4112700 NY STATION NAME 74-93 PERIOD ALL MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | ALL | 100.0 | 100.0 | 99.7 | 98.4 | 93.4 | 81.8 | 61.7 | 38.4 | 16.5 | 74.5 | 7382 |
| FEB | | 100.0 | 100.0 | 99.7 | 97.0 | 89.2 | 75.7 | 58.2 | 37.1 | 14.1 | 72.7 | 6750 |
| MAR | | 100.0 | 100.0 | 99.3 | 95.7 | 86.8 | 73.5 | 56.3 | 37.4 | 14.5 | 72.5 | 7414 |
| APR | | 100.0 | 100.0 | 98.3 | 91.0 | 80.6 | 66.8 | 51.5 | 32.2 | 9.7 | 68.7 | 7019 |
| MAY | | 100.0 | 100.0 | 98.9 | 94.3 | 85.0 | 70.8 | 53.6 | 32.5 | 11.5 | 70.5 | 5401 |
| JUN | | 100.0 | 100.0 | 99.5 | 96.9 | 90.1 | 76.5 | 59.4 | 36.3 | 10.8 | 72.9 | 5400 |
| JUL | | 100.0 | 100.0 | 99.7 | 96.3 | 87.9 | 72.3 | 53.7 | 32.5 | 10.0 | 70.5 | 7122 |
| AUG | | 100.0 | 100.0 | 100.0 | 99.1 | 93.1 | 82.8 | 67.4 | 47.1 | 17.1 | 76.5 | 7339 |
| SEP | | 100.0 | 100.0 | 100.0 | 99.5 | 95.3 | 85.0 | 70.1 | 49.4 | 20.3 | 76.5 | 7173 |
| OCT | | 100.0 | 100.0 | 99.7 | 97.9 | 91.6 | 80.1 | 64.8 | 46.0 | 23.1 | 76.2 | 7476 |
| NOV | | 100.0 | 99.9 | 99.8 | 98.9 | 95.2 | 85.8 | 70.2 | 50.6 | 23.9 | 76.4 | 5675 |
| DEC | | 100.0 | 100.0 | 100.0 | 99.5 | 96.2 | 87.8 | 70.7 | 48.4 | 22.3 | 73.2 | 7420 |
| TOTALS | | 100.0 | 100.0 | 99.6 | 97.1 | 90.4 | 78.2 | 61.5 | 40.7 | 16.2 | 74.1 | 5467 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

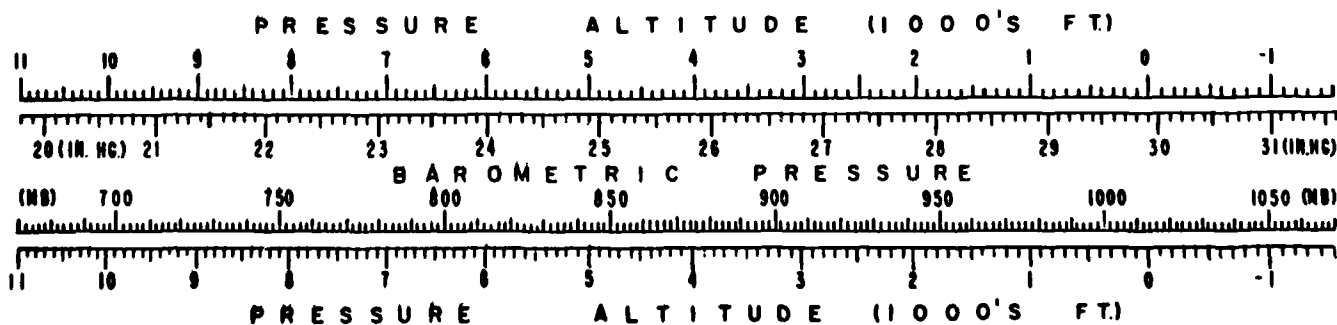
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

726227 WATERTOWN NY

74-83

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | | | | | | | | | | | |
|-----------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|
| HRS (LST) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL | | | | | | | | | | | |
| 1 | MEAN | 29.620 | 29.657 | 29.594 | 29.582 | 29.578 | 29.573 | 29.594 | 29.650 | 29.660 | 29.676 | 29.639 | 29.644 | 29.623 | | | | | | | | | | | |
| | S.D. | .309 | .289 | .265 | .231 | .169 | .182 | .143 | .135 | .175 | .251 | .265 | .290 | .237 | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 309 | 299 | 278 | 269 | 279 | 310 | 298 | 310 | 300 | 310 | 3554 | | | | | | | | | | | |
| 4 | MEAN | 29.625 | 29.652 | 29.589 | 29.576 | 29.581 | 29.574 | 29.594 | 29.646 | 29.656 | 29.673 | 29.639 | 29.650 | 29.622 | | | | | | | | | | | |
| | S.D. | .312 | .292 | .265 | .240 | .170 | .188 | .147 | .139 | .179 | .255 | .268 | .293 | .240 | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 309 | 299 | 277 | 269 | 279 | 310 | 298 | 310 | 300 | 310 | 3553 | | | | | | | | | | | |
| 7 | MEAN | 29.628 | 29.666 | 29.609 | 29.602 | 29.605 | 29.602 | 29.615 | 29.670 | 29.678 | 29.692 | 29.652 | 29.660 | 29.640 | | | | | | | | | | | |
| | S.D. | .320 | .296 | .268 | .248 | .181 | .195 | .149 | .144 | .183 | .259 | .270 | .290 | .242 | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 310 | 299 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3651 | | | | | | | | | | | |
| 10 | MEAN | 29.649 | 29.686 | 29.617 | 29.609 | 29.609 | 29.607 | 29.619 | 29.675 | 29.683 | 29.704 | 29.666 | 29.679 | 29.650 | | | | | | | | | | | |
| | S.D. | .329 | .297 | .274 | .252 | .182 | .192 | .149 | .147 | .189 | .261 | .273 | .296 | .246 | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 | | | | | | | | | | | |
| 13 | MEAN | 29.610 | 29.659 | 29.592 | 29.589 | 29.590 | 29.590 | 29.603 | 29.661 | 29.660 | 29.674 | 29.635 | 29.641 | 29.625 | | | | | | | | | | | |
| | S.D. | .326 | .296 | .275 | .244 | .176 | .187 | .146 | .137 | .186 | .257 | .268 | .291 | .242 | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 | | | | | | | | | | | |
| 14 | MEAN | 29.679 | 29.645 | 29.569 | 29.569 | 29.568 | 29.570 | 29.580 | 29.640 | 29.638 | 29.659 | 29.630 | 29.639 | 29.609 | | | | | | | | | | | |
| | S.D. | .319 | .290 | .271 | .233 | .173 | .180 | .143 | .132 | .180 | .253 | .259 | .286 | .236 | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 | | | | | | | | | | | |
| 17 | MEAN | 29.626 | 29.661 | 29.582 | 29.575 | 29.566 | 29.568 | 29.576 | 29.638 | 29.647 | 29.676 | 29.644 | 29.653 | 29.617 | | | | | | | | | | | |
| | S.D. | .310 | .286 | .265 | .224 | .169 | .175 | .139 | .128 | .173 | .251 | .255 | .283 | .232 | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 309 | 3651 | | | | | | | | | | | |
| 20 | MEAN | 29.630 | 29.665 | 29.594 | 29.591 | 29.581 | 29.578 | 29.595 | 29.655 | 29.661 | 29.685 | 29.643 | 29.652 | 29.629 | | | | | | | | | | | |
| | S.D. | .308 | .285 | .263 | .226 | .162 | .181 | .138 | .128 | .173 | .250 | .259 | .286 | .233 | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 280 | 270 | 279 | 310 | 300 | 310 | 300 | 309 | 3560 | | | | | | | | | | | |
| ALL HOURS | MEAN | 29.625 | 29.661 | 29.593 | 29.587 | 29.585 | 29.583 | 29.597 | 29.654 | 29.660 | 29.680 | 29.644 | 29.652 | 29.627 | | | | | | | | | | | |
| | S.D. | .317 | .291 | .268 | .238 | .173 | .185 | .145 | .137 | .180 | .255 | .265 | .289 | .239 | | | | | | | | | | | |
| | TOTAL OBS | 2480 | 2256 | 2478 | 2397 | 2385 | 2308 | 2387 | 2480 | 2396 | 2480 | 2400 | 2478 | 28925 | | | | | | | | | | | |

CLERICAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

725227 WATERTOWN NY

74-83

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | | | | | | | | | | | | | | |
|-----------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|------|--|------|--|------|--|------|--|------|--|--------|--|--|
| HRS (LST) | | JAN. | | FEB. | | MAR. | | APR. | | MAY | | JUN. | | JUL. | | AUG. | | SEP. | | OCT. | | NOV. | | DEC. | | ANNUAL | | |
| 1 | MEAN | 1016.0 | 1017.2 | 1014.8 | 1014.3 | 1013.9 | 1013.7 | 1014.3 | 1016.2 | 1016.7 | 1017.4 | 1016.3 | 1016.7 | 1015.6 | | | | | | | | | | | | | | |
| | S.D. | 10.714 | 10.027 | 9.139 | 7.932 | 5.783 | 6.237 | 4.929 | 4.633 | 6.043 | 8.689 | 9.163 | 10.070 | 8.177 | | | | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 309 | 299 | 278 | 269 | 279 | 310 | 298 | 310 | 300 | 310 | 3554 | | | | | | | | | | | | | | |
| 6 | MEAN | 1016.1 | 1017.0 | 1014.6 | 1014.0 | 1014.0 | 1013.7 | 1014.3 | 1016.1 | 1016.5 | 1017.3 | 1016.3 | 1016.8 | 1015.6 | | | | | | | | | | | | | | |
| | S.D. | 10.800 | 10.135 | 9.171 | 8.251 | 5.804 | 6.447 | 5.047 | 4.800 | 6.176 | 8.809 | 9.231 | 10.112 | 8.284 | | | | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 309 | 299 | 277 | 269 | 279 | 310 | 298 | 310 | 300 | 310 | 3553 | | | | | | | | | | | | | | |
| 7 | MEAN | 1016.2 | 1017.5 | 1015.4 | 1014.9 | 1014.9 | 1014.7 | 1015.0 | 1016.9 | 1017.3 | 1018.0 | 1016.7 | 1017.2 | 1016.2 | | | | | | | | | | | | | | |
| | S.D. | 11.090 | 10.259 | 9.255 | 8.523 | 6.199 | 6.654 | 5.106 | 4.954 | 6.306 | 8.964 | 9.326 | 10.087 | 8.364 | | | | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 310 | 299 | 310 | 299 | 310 | 310 | 300 | 310 | 300 | 310 | 3650 | | | | | | | | | | | | | | |
| 10 | MEAN | 1017.0 | 1018.2 | 1015.6 | 1015.2 | 1015.0 | 1014.8 | 1015.2 | 1017.1 | 1017.5 | 1018.4 | 1017.2 | 1017.9 | 1016.6 | | | | | | | | | | | | | | |
| | S.D. | 11.425 | 10.322 | 9.466 | 8.644 | 6.263 | 6.566 | 5.102 | 5.055 | 6.501 | 9.045 | 9.372 | 10.285 | 8.506 | | | | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 299 | 310 | 310 | 300 | 310 | 300 | 310 | 3651 | | | | | | | | | | | | | | |
| 11 | MEAN | 1015.6 | 1017.3 | 1014.8 | 1014.5 | 1014.3 | 1014.3 | 1014.6 | 1016.6 | 1016.7 | 1017.4 | 1016.1 | 1016.6 | 1015.7 | | | | | | | | | | | | | | |
| | S.D. | 11.330 | 10.246 | 9.501 | 8.363 | 6.062 | 6.399 | 4.988 | 4.709 | 6.429 | 8.909 | 9.230 | 10.095 | 8.351 | | | | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 309 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3651 | | | | | | | | | | | | | | |
| 12 | MEAN | 1015.6 | 1016.8 | 1014.0 | 1013.8 | 1013.6 | 1013.6 | 1013.8 | 1015.9 | 1015.9 | 1016.8 | 1016.0 | 1016.5 | 1015.2 | | | | | | | | | | | | | | |
| | S.D. | 11.031 | 10.073 | 9.353 | 8.003 | 5.929 | 6.139 | 4.904 | 4.542 | 6.208 | 8.741 | 8.911 | 9.906 | 8.162 | | | | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 | | | | | | | | | | | | | | |
| 13 | MEAN | 1016.1 | 1017.3 | 1014.4 | 1014.0 | 1013.6 | 1013.5 | 1013.7 | 1015.8 | 1016.2 | 1017.4 | 1016.4 | 1016.9 | 1015.4 | | | | | | | | | | | | | | |
| | S.D. | 10.726 | 9.945 | 9.162 | 7.678 | 5.743 | 5.983 | 4.765 | 4.427 | 5.933 | 8.685 | 8.805 | 9.805 | 8.030 | | | | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 309 | 3651 | | | | | | | | | | | | | | |
| 2 | MEAN | 1016.3 | 1017.5 | 1014.8 | 1014.6 | 1014.0 | 1013.8 | 1014.3 | 1016.4 | 1016.7 | 1017.7 | 1016.4 | 1016.9 | 1015.8 | | | | | | | | | | | | | | |
| | S.D. | 10.645 | 9.871 | 9.067 | 7.745 | 5.573 | 6.174 | 4.795 | 4.400 | 5.937 | 8.661 | 8.934 | 9.917 | 8.058 | | | | | | | | | | | | | | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 280 | 270 | 279 | 310 | 300 | 310 | 300 | 309 | 3560 | | | | | | | | | | | | | | |
| ALL HOURS | MEAN | 1016.1 | 1017.3 | 1014.8 | 1014.4 | 1014.2 | 1014.0 | 1014.4 | 1016.4 | 1016.7 | 1017.6 | 1016.4 | 1016.9 | 1015.8 | | | | | | | | | | | | | | |
| | S.D. | 10.966 | 10.103 | 9.265 | 8.149 | 5.950 | 6.339 | 4.975 | 4.709 | 6.205 | 8.813 | 9.118 | 10.030 | 8.253 | | | | | | | | | | | | | | |
| | TOTAL OBS | 2490 | 2256 | 2477 | 2397 | 2385 | 2306 | 2387 | 2480 | 2396 | 2480 | 2400 | 2478 | 28922 | | | | | | | | | | | | | | |

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